

PETRAL EXPLORATION

P.O. Box 5088 • Denver, CO 80217
1700 Lincoln Street, Suite 4750 • Denver, CO 80203
(303) 832-3131 • Fax (303) 894-9088

August 5, 1999

Utah Board of Oil, Gas and Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

Attn: Lisha Cordova

Re: Application for Permit to Drill
Black Bull Federal #43-30
SWSWSE Section 30-T38S-R25E
San Juan County, Utah

Dear Ms. Cordova:

Petral Exploration, LLC hereby applies for and requests approval from the State of Utah of its application to drill the above subject well. A copy of the Federal APD for the Black Bull Federal #43-30 is attached for your review and files.

The Black Bull #43-30 will be an intentionally deviated well bore, a request for your approval of this deviation is also attached.

✓ Application for Temporary Change of Water has been made to the State Engineer. A copy of that approval will be forwarded to your office as soon as it is received.

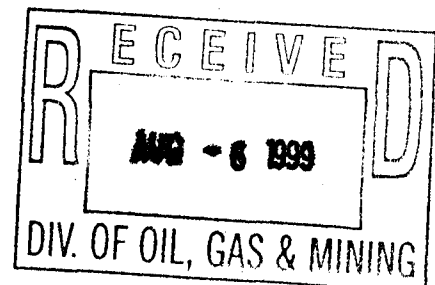
Please do not hesitate to contact me should you have any questions, my office number is 303-832-3131 and my cellular number is 303-886-9432.

Sincerely,

PETRAL EXPLORATION, LLC


David A. Norby
Operations Manager

/dan
attachments



PETRAL EXPLORATION

P.O. Box 5083 • Denver, CO 80217
1700 Lincoln Street, Suite 4750 • Denver, CO 80203
(303) 832-3131 • Fax (303) 894-9088

August 5, 1999

Utah Board of Oil, Gas and Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

Attn: Lisha Cordova

Re: Rule R649-3-11 – Request for Approval
Intentionally Deviated Well bore
Black Bull Federal #43-30
SWSWSE Section 30-T38S-R25E
San Juan County, Utah

Dear Ms. Cordova:

Petral Exploration, LLC hereby applies for and requests approval of its application to drill an intentionally deviated well bore in the drilling of the above subject well. A copy of the Federal APD for the Black Bull Federal #43-30 is attached for your review and files.

The State of Utah Oil and Gas Conservation General Rules, R649-3 Drilling and Operational Practices, Rule R649-3-11, states that; "Except for the tolerances allowed in R649-3-10, no well may be intentionally deviated unless the operator shall first file application and obtain approval from the division. An application for directional drilling may be approved by the division without notice and hearing when the applicant is the owner of all the oil and gas within a radius of 460 from all points along the intended well bore, or the applicant has obtained written permission of the owner to the proposed directional drilling program. An application for directional drilling may be included as part of the initial APD for a proposed well."

As evidenced by the attached Well Location Plat, the Black Bull Federal #43-30 well be a directionally drilled well, however there are no other owners of oil and gas rights with a 460' radius of the proposed well bore.

The Black Bull Federal #43-30 is being drilled within a Federal unit designated as the Black Bull Unit. And as such, Petral Exploration, LLC, as the operator, and Petral Exploration, LLC et al are the "owners" of the Federal leases that comprise the SE/4 of Section 30, the SW/4 of Sec. 30, the NW/4 of Sec. 31 and the NE/4 of Sec. 31-T38S-R25E, San Juan County, Utah. Attached for your information is a Leasehold Map and a Unit Map for the area.

Therefore, we respectfully request the Division approve this application for this directional well.

Please contact the undersigned should you have any questions.

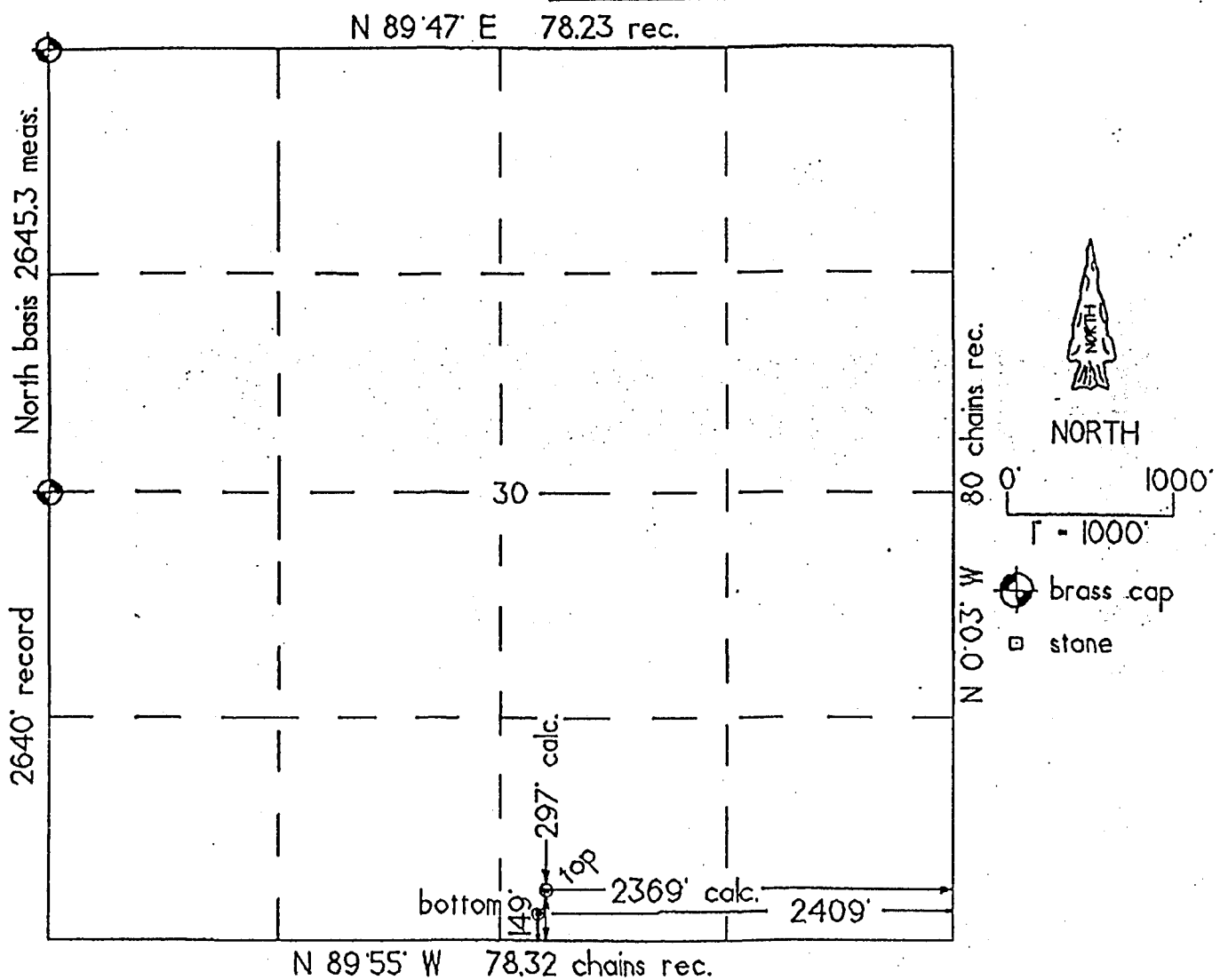
Sincerely,


PETRAL EXPLORATION, LLC

David A. Norby
Operations Manager

/dan
attachments

Well Location Plat

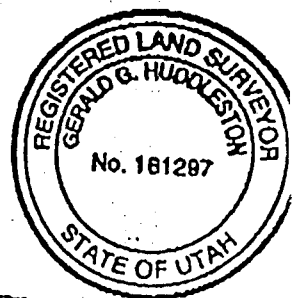


Well Location Description

PETRAL EXPLORATION
 Blackbull # 43 - 30
 297' FSL & 2369' FEL (top)
 149' FSL & 2409' FEL (bottom)
 Section 30, T.38 S., R.25 E., SLM
 San Juan County, UT
 4776' grd. el. (from GPS)

Description - NAD 27 - UT So.

292.531 N state plane
 2.664,033 E state plane ^{top}
 (from GPS)
 292.382 N state plane
 2.663.996 E state plane ^{bottom}



rev:4 Aug. 1998

Gerald G. Huddleston
 Gerald G. Huddleston, LS

The above is true and correct to my knowledge and belief.

HUDDLESTON LAND SURVEYING - BOX KK - CORTEZ, CO - (970) 565 -3330

Blackbull # 43 - 30
well pod & section

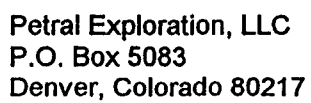


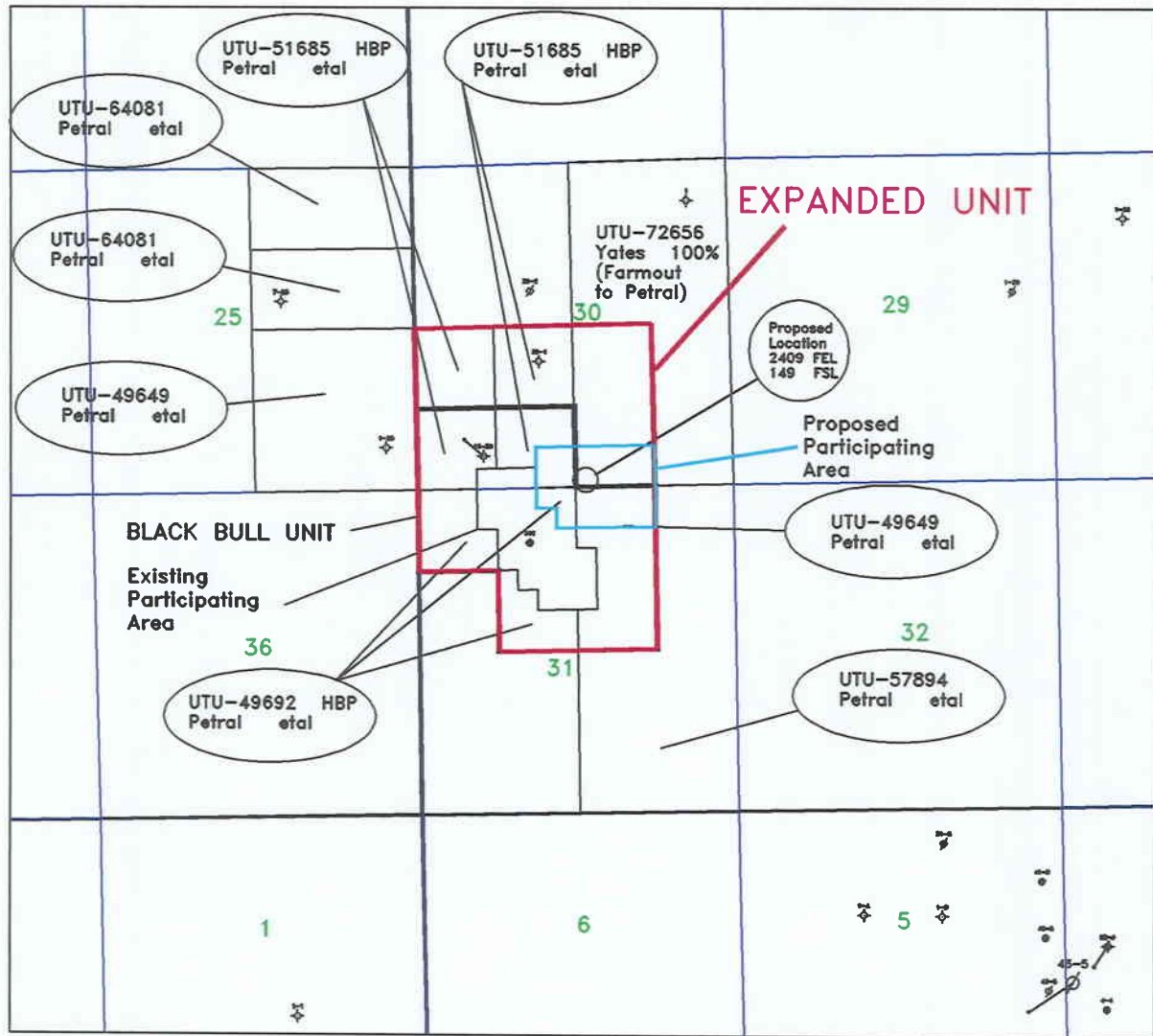
Diagram #3

R 24 E

R 25 E

T
38
S

T
39
S



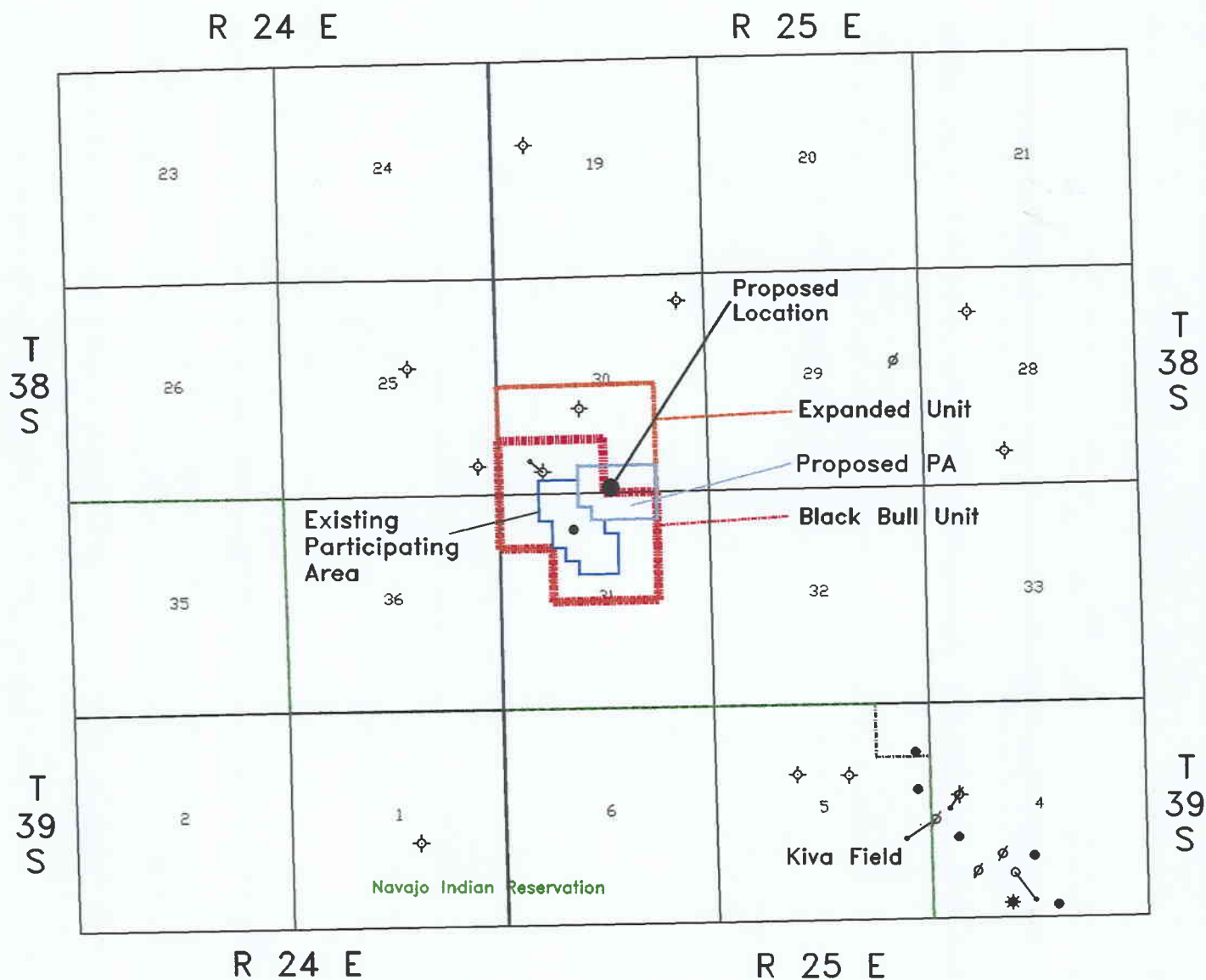
PETRAL EXPLORATION LLC

4750 United Bank Center - 1700 Lincoln Street - Denver, Colorado 80217 - (303) 832-3131

BLACK BULL UNIT

LEASE MAP

Geologist:	LCG	Date Created:	8/4/99	Modified:	
Geophysicist:	MP	State:	UTAH		
Engineer:		County:	SAN JUAN		
Drawn By:	LCG	Geological Play:			
Contour Interval:		File:	NORBY.DWG		



PETRAL EXPLORATION LLC

4750 United Bank Center - 1700 Lincoln Street - Denver, Colorado 80217 - (303) 832-3131

BLACK BULL UNIT UNIT MAP

Geologist:	LOG	Date Created:	8/4/99	Modified:	
Geophysicist:	MAP	State:	UTAH		
Engineer:		County:	SAN JUAN		
Drawn By:	LOG	Geological Play:			
Contour Interval:		File:			

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Petal Exploration, LLC

3. ADDRESS AND TELEPHONE NO.

P.O. Box 5083, Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

297' FSL x 2369' FEL

4,145, 851 N

658, 100 E

At proposed prod. zone

149' FSL x 2409' FEL

4,145, 806 N

658, 088 E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST

approximately 18 miles southeast of Blanding, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

149'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

approx 1500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4776' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	25" wall	80'	circ with ready mix
12 1/2"	9-5/8" J55	36#	1560'	circ to surface
8-3/4"	5-1/2" J55	15.5#	5775'	75 sxs 10-1 RFC; 250 sxs poz mix

Petal proposes to directionally drill from the above noted surface location to the as noted bottom hole location. The primary zone of interest is the Upper Ismay mound at approx 5412' TVD. Total depth will be approximately 5775' MD (5760' TVD). If the well is productive, 5 1/2" casing will be cemented in place and the well completed. If the well is non-productive, it will be plugged and abandoned and the surface restored per BLM specs.

Attached, please find the Drilling Program Summary, Surface Use Program and a Directional Drilling Program.

I hereby certify that Petral Exploration, LLC is responsible under the terms and conditions of the lease operations in conjunction with this application. Bond coverage pursuant to 43 CFR 3104 for lease activities is provided by BLM Bond #UT1040. Copy attached.

Application has also been made to the Utah Board of Oil, Gas and Mining.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

David A. Norby
Operations Manager

DATE

8/5/99

(This space for Federal or State office use)

PERMIT NO.

43-037-31803

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

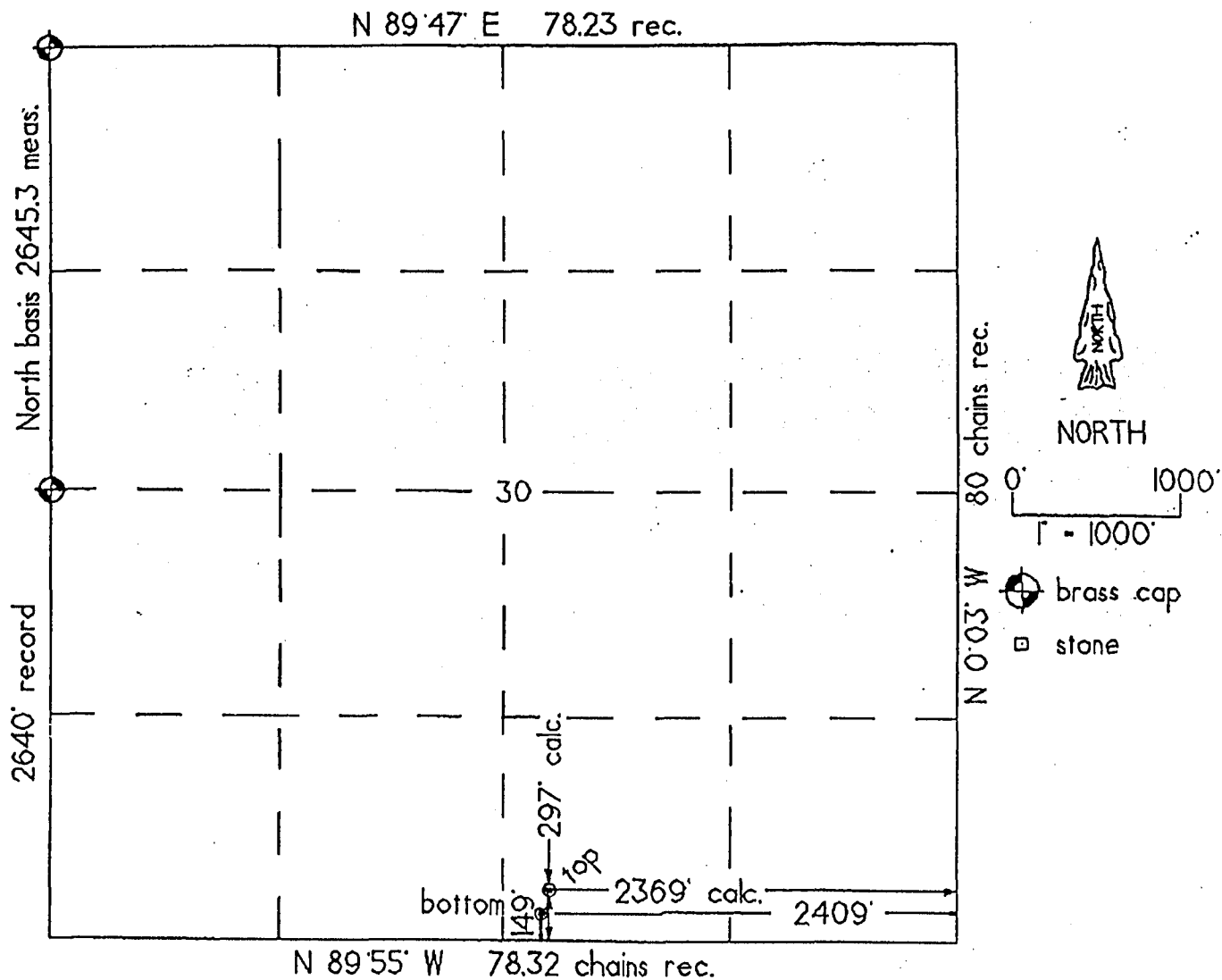
DATE

BRADLEY G. HILL
RECLAMATION SPECIALIST III

9/1/99

*See Instructions On Reverse Side

Well Location Plat

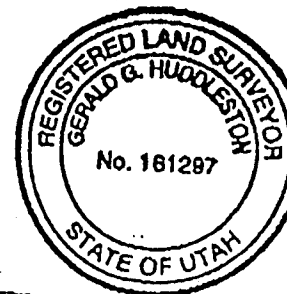


Well Location Description

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rev:4 Aug. 1998

Gerald G. Huddleston
 Gerald G. Huddleston, LS

The above is true and correct to my knowledge and belief.

HUDDLESTON LAND SURVEYING - BOX KK - CORTEZ, CO - (970) 565 -3330

SUPPORTING DATA FOR APPLICATION FOR PERMIT TO DRILL

**PETRAL EXPLORATION, LLC
Black Bull #43-30
Form 3160-3 - Supporting Data**

(Not required in APD)

2. Petral Exploration, LLC contact person is David A. Norby – Operations Manager:
Office 303-832-3131
Cellular 303-886-9432
Home 303-233-6859

4. Location of Well: The surface location is 297' FSL and 2369' FEL of Section 30-T38S-R25E. The location of the well bore at the top of the prospective Upper Ismay horizon is 149' FSL and 2409' FEL of Section 30-T38S-R23E (a lateral distance of 155' on a bearing of 195.13° from the surface location).

DRILLING PROGRAM

Petral Exploration, LLC
Black Bull Federal #43-30
SWSWSE Sec. 30 – T38S – R25E
San Juan County, UT
Lease # UTU – 72656

A. Surface Formation:

Morrison

B. Estimated Formation Tops (GL Measurements):

<u>Formation</u>	<u>TVD Depth (GL)</u>	<u>Subsea</u>
Morrison.....	Spud	
Chinle.....	1405	+3371
Honaker Trail.....	4352	+ 424
La Sal.....	5061	- 285
Upper Ismay.....	5385	- 609
Upper Ismay Mound.....	5412	- 636
Hovenweep.....	5539	- 763
Lower Ismay.....	5551	- 775
Gothic.....	5610	- 834
Desert Creek.....	5623	- 847
Chimney Rock.....	5706	- 930
Akah.....	5730	- 954
Total Depth.....	5760(TVD); 5775(MD)	

C. Estimated Depths at which Anticipated Water, Oil, Gas or other Mineral-Bearing Formations are Expected to be Encountered.

Hydrocarbon bearing zones may be found from 5385' (Upper Ismay Mound) to 5706'. Commercial water zones are not anticipated. All formations below surface may contain water. Fresh water zones will be protected through casing and cementing programs (see parts E & F).

D. Minimum Pressure Control Equipment & Auxiliary Equipment (see attached Diagram 2):

1. One 11" – 3000 psig annular preventer. One 11" – 3000 psig double ram blowout preventer with blind rams and one set of 4½" drill pipe rams (above blind ram) will be installed and utilized prior to drilling below 9-5/8" surface casing and utilized to TD.
2. Blowout preventer or drilling spool will be equipped with one 3" and one 2" side outlet.
3. A 3000 psig choke manifold with two (2) adjustable chokes will be installed prior to drilling below surface casing. The choke line will be as straight as possible and turns, if required will have a targeted T block.
4. An accumulator rated at 3000 psig W.P. with a minimum of three (3) hydraulic control stations will be utilized. One for annular, one for blind rams and one for pipe rams. Remote controls will be located at the accumulator house at G.L. and on the floor.

Manual controls (e.g. – hand wheels) will be located at G.L. near the substructure. A valve shall be installed in the hydraulic closing line to serve as a locking device when the accumulator system is inoperative.

5. Pressure testing procedures and requirements. Prior to drilling out below the 9-5/8" surface casing, surface casing will be tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of minimum internal yield of the 9-5/8", 36#/ft., J-55 surface casing for a minimum of 10 minutes. BOP stack and associated equipment (e.g. – choke manifold, lower and upper kelly cocks, valves, etc.) will be tested to 3000 psig for 15 minutes utilizing a test plug. The annular preventer will be tested to 1500 psig for 15 minutes. A certified BOP testing service company will be utilized for pressure testing. All pressure testing operations must be witnessed by Petral's well site representative.
6. Drilling contractor will perform a daily operational check of all BOP equipment (e.g. – includes associated equipment). Pipe and blind rams shall be activated each trip, annular BOP activated weekly.
7. All BOP pressure testing & operational checks to be recorded in the daily "tour" book.
8. A BOP and pit level drill will be conducted by the drilling contractor weekly and noted in the "tour" report book.
9. 24 hours prior to pressure testing, notify the BLM and the Utah Division of Oil, Gas & Mining.

Every 30 days, BOP and accessory equipment must be pressure tested to 3000 psig. Notify the BLM and Utah Division of Oil, Gas & Mining prior to test.

E. Casing Program:

Conductor Casing:

80' of 16" pipe cemented in place to surface.

Surface Casing:

39 jts – 1560', 9 5/8", 36#/ft, J-55, ST&C, "A" Grade (new)

Accessory Equipment:

- | | |
|----|--|
| 1 | 9 5/8" Guide Shoe |
| 1 | 9 5/8" Orifice Fill Collar |
| 1 | 9 5/8" Centralizer placed middle of shoe joint |
| 1 | 9 5/8" Centralizer at collar above shoe joint |
| 1 | 9 5/8" Centralizer thereafter on every second collar for 6 centralizers. |
| 1 | 9 5/8" Centralizer thereafter on every fourth collar for 4 centralizers. |
| 1 | <u>9 5/8" Centralizer on third collar below surface.</u> |
| 13 | Centralizers Total |

Production Casing (New):

193 jts – 5775', 5½", 15.5#/ft, J-55, ST&C,

Accessory Equipment:

To be determined at time of need.

Testing Procedure:

Production casing will be pressure tested to a minimum of 3000 psig prior to commencement of completion.

F. Cementing Program:

Conductor: Cement to surface

Surface Casing:

Spacer: 30 Bbls Fresh water

Lead Slurry: 355 sxs Class "B" cement w/2% D79 Extender, 5#/sx D-42 Kolite, 2% CaCl₂, 0.25#/sx D-29 Cellophane. Slurry Yield-2.58 CF/sx.

Tail Slurry: 150sxs Class "B" cement w/5#/sx D-42 Kolite, 2% CaCl₂, 0.25#/sx D-29 Cellophane. Slurry Yield – 1.19 CF/sx.

- Note: 1. If cement does not circulate to surface, utilize 1" to bring to surface.
2. Tentative – volumes and types may be changed. Designed to circulate cement to surface with 100% excess.
3. Check water quality for all cementing slurries.

Production Casing: (Cemented minimum of 1000' fill up above potential pay zone(s))

Preflush: 40 Bbls Mud flush (or equivalent).

Lead: 75 sxs Dowell 10-1 RFC Cement, Class "B" w/10% D-53 Gypsum, 1% CaCl₂, 0.25#/sx D-29 Cellophane. Slurry Yield – 1.60 CF/sx.

Tail: 250 sxs 50/50 POZ w/2% D20 Gel, 0.25% D65 dispersant, 1#/sx D29, 1.5 gal/sx D600 & 0.2 gal/sx M-45 anti-foamer. Slurry Yield-1.32 CF/sx.

- Note: 1. Slurry volume to be recalculated based on hole caliper and number and depth of zones. 25% excess and 8 3/4" hole used for initial calculations.

G. Drilling Fluids:

Depth	0 – 1560'	1560' – 5000'	5000' – 5575'
Wt. - #/gal	8.6 – 9.0	8.4 – 8.8	9.0 – 10+ (1)
Vis. – sec.qt.	36 – 42	28 – 32	50 – 55 (2)
WL – cc	NC	NC	6 – 8 (3)
PH	NC	NC	9.0 – 10 (4)
PV/YP	As needed	As needed	25 – 35
Gels (sec/min)	As needed	As needed	1-4 / 3-9
Type System	FWG	Fresh water with sweeps	Modified Flo-Pro

Notes:

- (1) Drill Upper Ismay mound with as low a mud weight that can be achieved. May require weighting up to kill water flows. Pretreat mud with 10 sxs of Magma Fiber loss circulation material prior to drilling or coring the Upper Ismay Mound.
- (2) Recommended viscosity:

Coring	42-44 sec./qt.
Logging	45-50 sec./qt.
DST's	42-44 sec./qt.
- (3) Prior to penetrating the Upper Ismay Mound
- (4) Raise PH to 10 prior to drilling anhydrites
- (5) The Lower Desert Creek may be over pressured and require a weighted mud system. Prior to penetrating the Upper Ismay Mound @ 5760' TVD or the Lower Desert Creek Mound add 100 ppm nitrates to the mud system.

Sufficient mud materials to maintain mud requirements and meet minor lost circulation and excessive pressure problems will be at the well site. The pits will be monitored on trips to assure that the hole is kept full while tripping the drilling string. A pit volume totalizer (PVT), stroke counter & flow sensor will be utilized below surface casing, setting depth to TD.

H. Coring, Testing, Logging and Tentative Completion Program:

1. One 60' core of Upper Ismay Mound at estimated depth of 5385' TVD. The onsite geologist to pick core point and samples for analysis. One possible 60' core of the Lower Desert Creek Mound at estimated depth of 5551' TVD.
2. Drill stem tests will be at the discretion of the operator and will be based on shows, logs, hole conditions, etc.
3. If a completion attempt is to be made, 5½" casing will be cemented into place. The following presents a summary of tentative completion procedures.
 - a. Perforate pay zones with approximately 4 shots/ft.
 - b. Perforations may be stimulated w/HCl acid
 - c. A Sundry Notice will be filed with the final completion plan.

Note: All perforations and the size of stimulation jobs are tentative and final design will be based on electric logs, cores, and drill stem test data.

4. Logging:

GR-DLL-MSFL (min) – Base surface casing to TD
GR-BHCS (long spaced integrated) w/ Cal – Base surface casing to TD
GR-FDC-CNL- w/ PE (min) – Base surface casing to TD
GR-Dual Dipmeter

5. Samples: 10' samples 4,500' TVD to TD

All cutting samples are to be washed and stored in properly marked cloth bags. Tie the sample bags in 100' depth groups to dry. Store in a clean, dry place. Sample depth intervals may be changed at the discretion of the geologist.

I. Abnormal Conditions or Potential Hazards:

1. Potential problems include possible water flows to 5385' TVD;

2. Abnormal pressure in Lower Desert Creek Carbonate (3500 psig);
3. Lost circulation and seepage, surface to TD w/ possible differential sticking;
4. Estimated temperature at TD 140°F;
5. Hydrogen sulfide gas is not anticipated.

J. Auxiliary Equipment Required: See paragraph D.

K. Anticipated Starting Date of Drilling Operations:

September 15, 1999

L. Additional Considerations:

THREE PREVENTER HOOKUP
CLASS III
(MEETS 43 CFR, PARTS 3160, 3M SPECIFICATIONS)

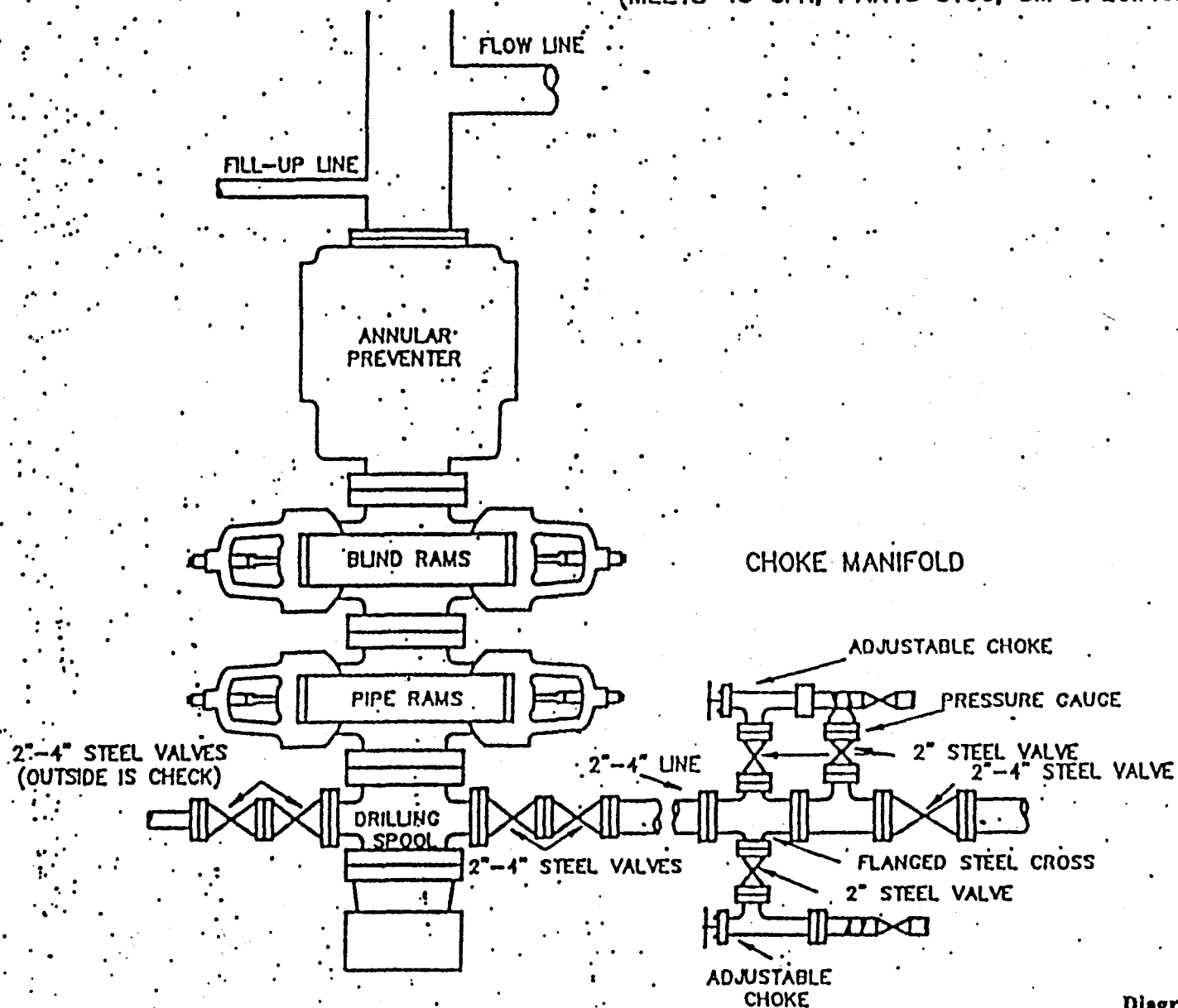
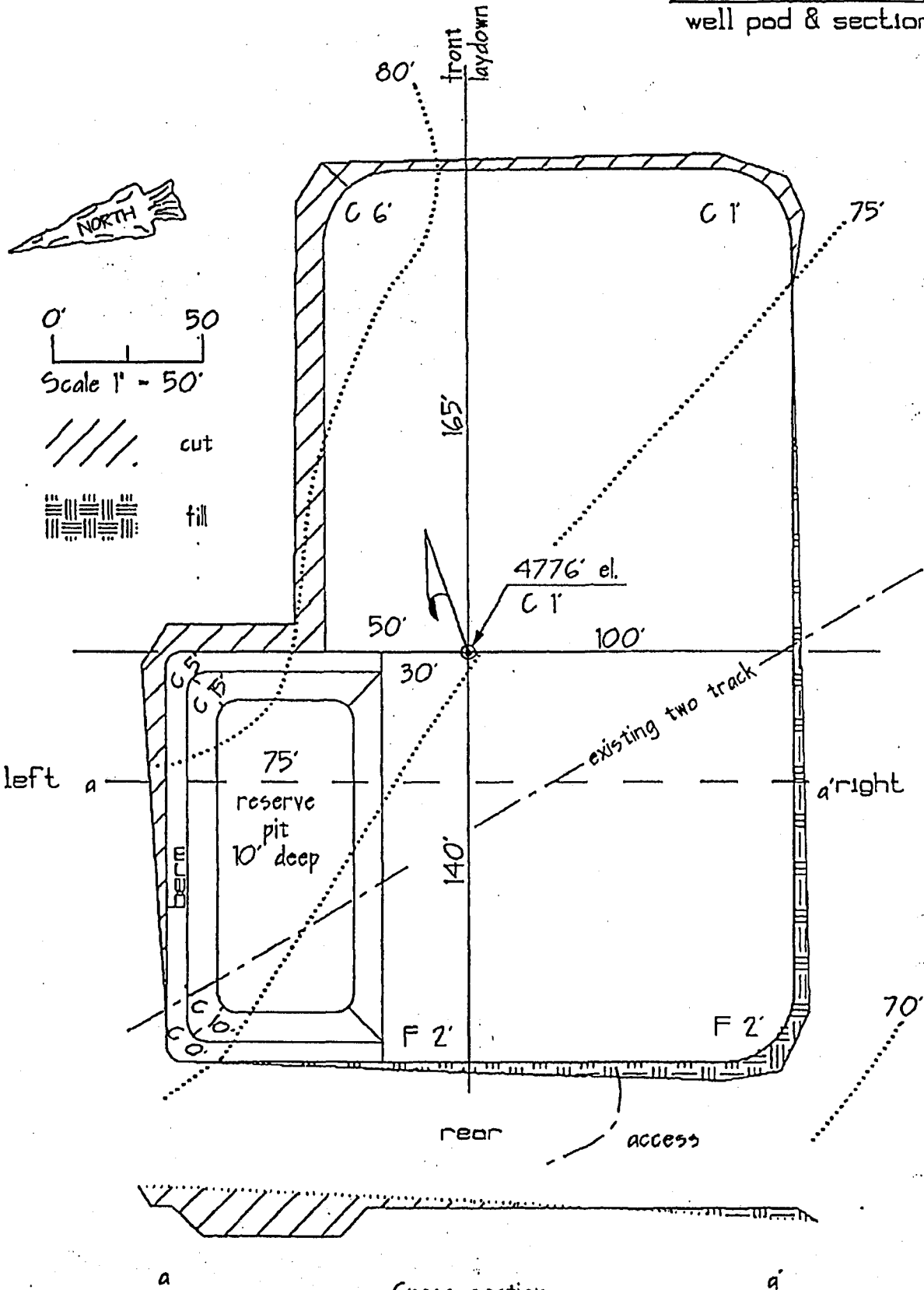


Diagram 2

S 72° E

Blackbull # 43 - 30
well pod & section



Cross section

Petral Exploration, LLC
P.O. Box 5083
Denver, Colorado 80217

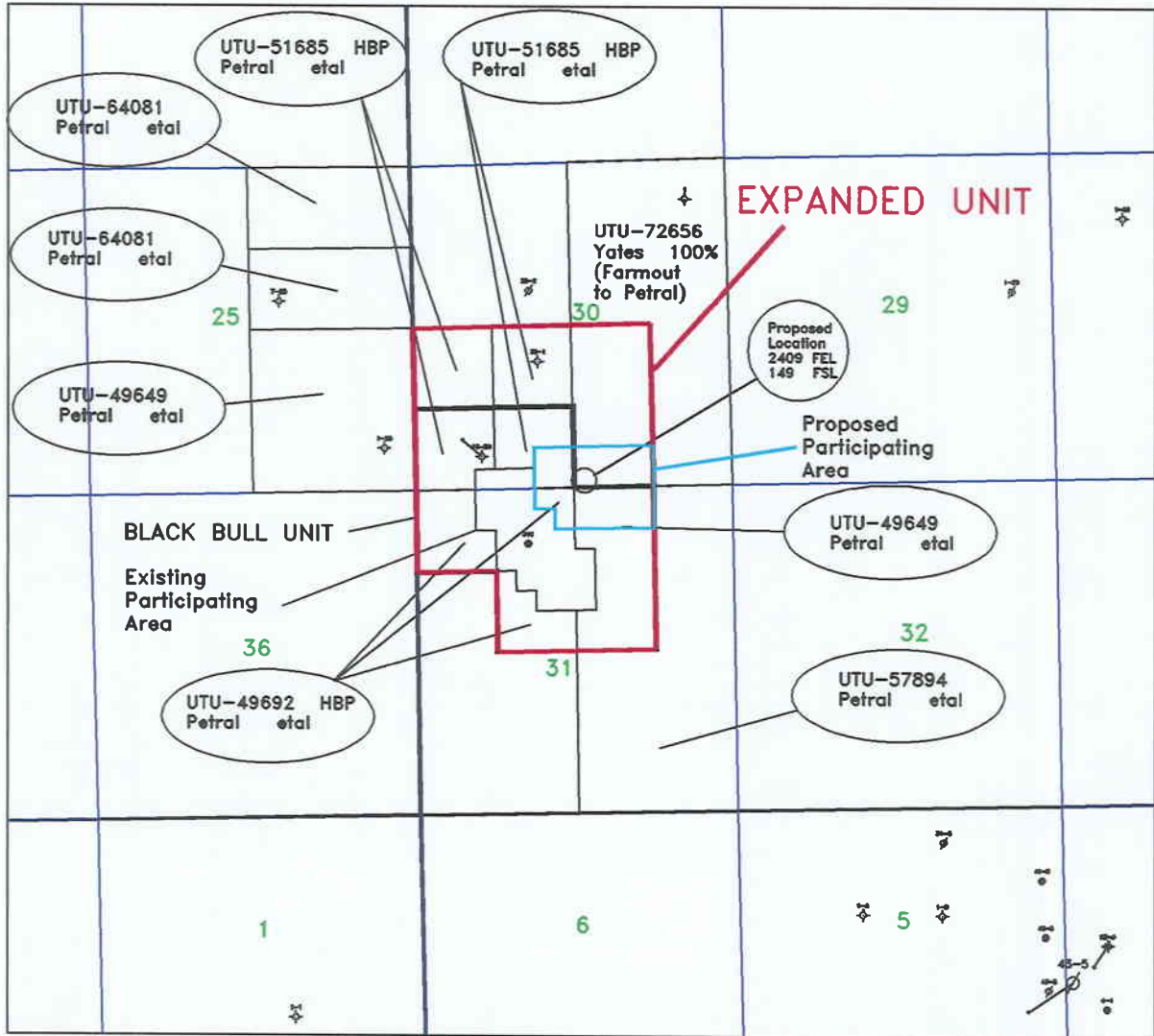
Diagram #3

R 24 E

R 25 E

T
38
S

T
39
S



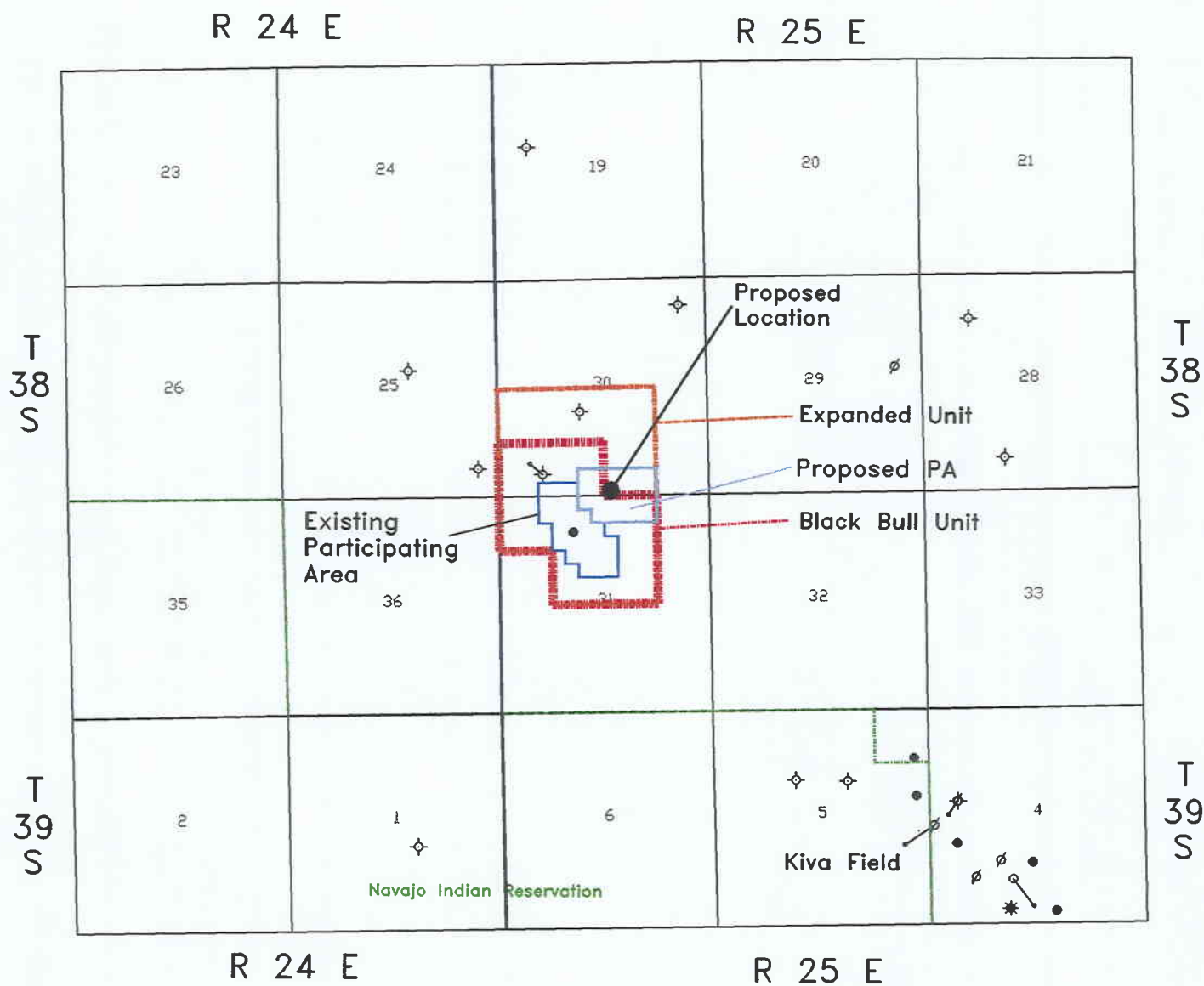
PETRAL EXPLORATION LLC

4750 United Bank Center - 1700 Lincoln Street - Denver, Colorado 80217 - (303) 832-3131

BLACK BULL UNIT

LEASE MAP

Geologist:	LCG	Date Created:	8/4/99	Modified:	
Geophysicist:	MP	State:	UTAH		
Engineer:		County:	SAN JUAN		
Drawn By:	LCG	Geological Play:			
Contour Interval:		File:	NORBY.DWG		



**PETRAL
EXPLORATION
LLC**

4750 United Bank Center - 1700 Lincoln Street - Denver, Colorado 80217 - (303) 832-3131

**BLACK BULL UNIT
UNIT MAP**

Geologist:	LDC	Date Created:	8/4/99	Modified:	
Geophysicist:	MAP	State:	UTAH		
Engineer:		County:	SAN JUAN		
Drawn By:	LDC	Geological Play:			
Contour Interval:		File:			



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
324 South State, Suite 301
Salt Lake City, Utah 84111-2303

RECEIVED

NOV 10 1995

IN REPLY REFER TO:
3104
(UT-923)

NOV 7 1995

DECISION

Obligor	:	Bond Amount:	\$25,000
Petral Exploration LLC	:		
P.O. Box 5083	:	Bond Type:	Statewide
Denver, CO 80217-5083	:		Oil and Gas
Financial Institution:	:		
Norwest Bank Colorado, N.A.	:	BLM Bond Number:	UT 1040
1740 Broadway	:		
Denver, CO 80274	:		

Statewide Oil and Gas Personal Bond and Certificate of Deposit Accepted

On November 6, 1995, this office received Bond Form 3000-4 together with Investment Deposit Agreement (Book Entry) No. 101741006 evidencing the purchase of a \$25,000 Certificate of Deposit (CD) in the amount of \$25,000 to secure a statewide oil and gas bond for the above obligor. Both documents have been examined and are accepted effective November 6, 1995.

The CD will be retained by the Bureau of Land Management (BLM) and will automatically renew annually until all terms and conditions of the leases have been fulfilled or until a satisfactory replacement bond has been accepted by the BLM.

The bond will be maintained by this office. The bond constitutes coverage of all operations conducted by or on behalf of the obligor on Federal leases in the State of Utah. The bond provides coverage of the obligor where that obligor has interest in, and/or responsibility for operations on, leases issued under the authority of any of the Acts cited on the bond form. Please note that Federal leases do not include Indian leases.

If you have any questions, please contact Irene Anderson of this office at (801) 539-4108.


Robert Lopez
Chief, Branch of Mineral
Leasing Adjudication

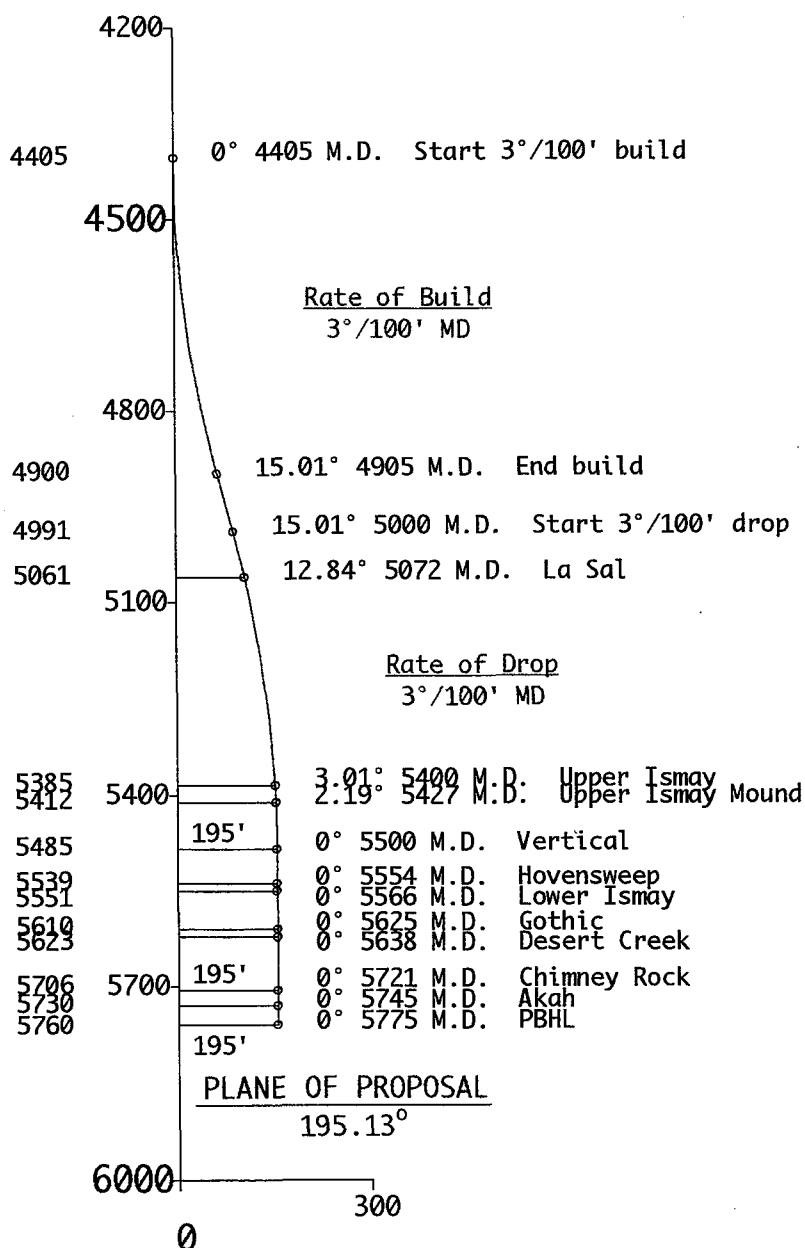
cc: All Districts

Petral Exploration LLC
Black Bull Federal #43-30
San Juan County, Utah

Formation	TVD	MD	Displ.
Honaker Trail	4352'	4352'	0'
La Sal	5061'	5072'	107'
Upper Ismay	5385'	5400'	152'
Upper Ismay Md.	5412'	5427'	153'
Hovensweep	5539'	5554'	155'
Lower Ismay	5551'	5566'	155'
Gothic	5610'	5624'	155'
Desert Creek	5623'	5638'	155'
Chimney Rock	5706'	5721'	155'
Akah	5730'	5745'	155'
PBHL	5760'	5775'	155'

VERTICAL SECTION

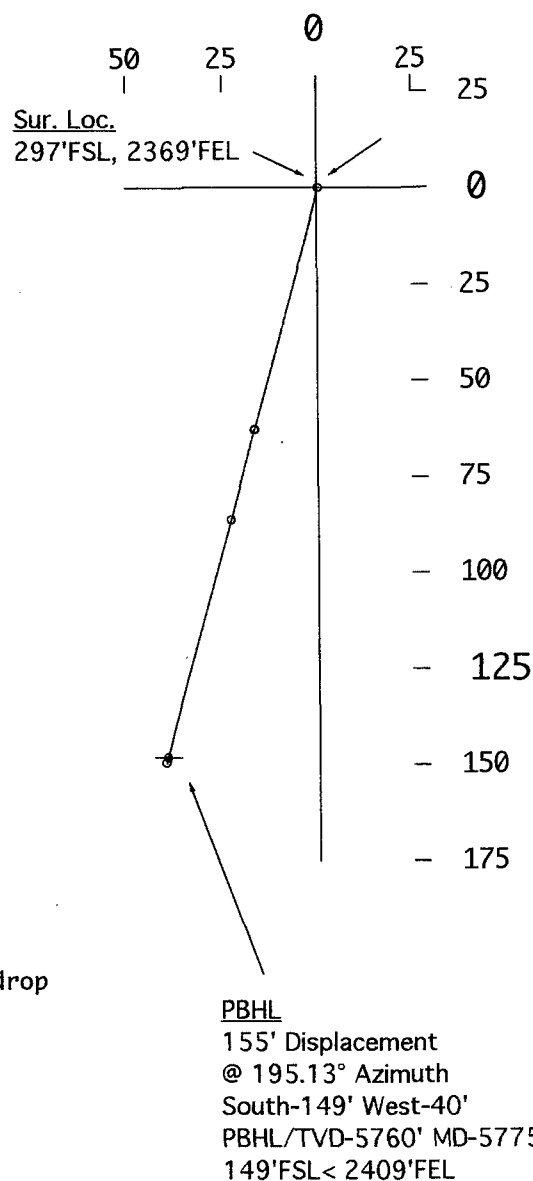
Scale 1" = 300'



N
North

HORIZONTAL PLAN

Scale 1" = 50'



PDW

PERFORMANCE
DRILLING
Wyoming Inc.

Performance Drilling Wyoming

Petral Exploration LLC
Black Bull Federal #43-30
San Juan County, Utah

Page: 1

Radius of Curvature

Slot Location: 297.00', -2369.00'

Plane of Vertical Section: 195.13°

Measured Depth Feet	B O R E Inc Degrees	H O L E Direction Degrees	True Vertical Depth Feet	R E C T A N G U L A R C O O R D I N A T E S		R E C T A N G U L A R C O O R D I N A T E S		Vertical Section Feet	C L O S U R E S		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	FSL Feet	FEL Feet		Distance Feet	Direction Deg	
4405.00	0.00	0.00	4405.00	0.00	0.00	297.00	-2369.00	0.00	0.00	0.00	0.00
Start 3°/100' build											
4505.00	3.00	195.13	4504.95	-2.53	-0.68	294.47	-2369.68	2.62	2.62	195.13	3.00
4605.00	6.00	195.13	4604.63	-10.10	-2.73	286.90	-2371.73	10.46	10.46	195.13	3.00
4705.00	9.00	195.13	4703.77	-22.70	-6.14	274.30	-2375.14	23.51	23.51	195.13	3.00
4805.00	12.00	195.13	4802.08	-40.29	-10.89	256.71	-2379.89	41.74	41.74	195.13	3.00
4905.00	15.00	195.13	4899.31	-62.82	-16.99	234.18	-2385.99	65.08	65.08	195.13	3.00
4905.35	15.01	195.13	4899.65	-62.91	-17.01	234.09	-2386.01	65.17	65.17	195.13	3.11
End build											
4999.67	15.01	195.13	4990.75	-86.49	-23.39	210.51	-2392.39	89.60	89.60	195.13	0.00
Start 3°/100' drop											
5072.05	12.84	195.13	5061.00	-103.31	-27.94	193.69	-2396.94	107.02	107.02	195.13	3.00
La Sal											
5099.67	12.01	195.13	5087.97	-109.04	-29.49	187.96	-2398.49	112.96	112.96	195.13	3.00
5199.67	9.01	195.13	5186.28	-126.65	-34.25	170.35	-2403.25	131.20	131.20	195.13	3.00
5299.67	6.01	195.13	5285.41	-139.27	-37.66	157.73	-2406.66	144.27	144.27	195.13	3.00
5399.58	3.01	195.13	5385.00	-146.85	-39.71	150.15	-2408.71	152.13	152.13	195.13	3.00
Upper Ismay											
5399.67	3.01	195.13	5385.09	-146.86	-39.71	150.14	-2408.71	152.13	152.13	195.13	3.26
5427.01	2.19	195.13	5412.40	-148.06	-40.04	148.94	-2409.04	153.37	153.37	195.13	3.00
Upper Ismay Mound											
5500.03	0.00	195.13	5485.40	-149.40	-40.40	147.60	-2409.40	154.77	154.77	195.13	3.00
Vertical											
5553.63	0.00	195.13	5539.00	-149.40	-40.40	147.60	-2409.40	154.77	154.77	195.13	0.00
Hovensweep											
5565.63	0.00	195.13	5551.00	-149.40	-40.40	147.60	-2409.40	154.77	154.77	195.13	0.00
Lower Ismay											
5624.63	0.00	195.13	5610.00	-149.40	-40.40	147.60	-2409.40	154.77	154.77	195.13	0.00
Gothic											
5637.63	0.00	195.13	5623.00	-149.40	-40.40	147.60	-2409.40	154.77	154.77	195.13	0.00
Desert Creek											

Performance Drilling Wyoming

Page: 2

Petral Exploration LLC
Black Bull Federal #43-30
San Juan County, Utah

Radius of Curvature
Slot Location: 297.00', -2369.00'
Plane of Vertical Section: 195.13°

Measured Depth Feet	B O R E Inc Degrees	H O L E Direction Degrees	True Vertical Depth Feet	R E C T A N G U L A R C O O R D I N A T E S		R E C T A N G U L A R C O O R D I N A T E S		Vertical Section Feet	C L O S U R E S		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	FSL Feet	FEL Feet		Distance Feet	Direction Deg	
5720.63	0.00	195.13	5706.00	-149.40	-40.40	147.60	-2409.40	154.77	154.77	195.13	0.00
Chimney Rock											
5744.63	0.00	195.13	5730.00	-149.40	-40.40	147.60	-2409.40	154.77	154.77	195.13	0.00
Akah											
5775.03	0.00	195.13	5760.40	-149.40	-40.40	147.60	-2409.40	154.77	154.77	195.13	0.00

PBHL

Final Station Closure Distance: 154.77' Direction: 195.13°

SURFACE USE PROGRAM

Petral Exploration, LLC
Black Bull Federal #43-30
SWSWSE Sec. 30 – T38S – R25W
San Juan County, UT
Lease # UTU-72656

The initial onsite inspection for the subject well was conducted between July 24-28, 1998. In attendance were the following individuals:

Gerald Huddleston	Surveyor	Gerald Huddleston Land Surveyor
Carol De Francia	Archaeologist	4 Corners Archaeological Services
Lowell Larson	Dirt Contractor	Triad Construction
Jeff Brown	Field Supervisor	Bureau of Land Management
E.K. Bostick	Consultant	Petral Exploration, LLC
Richard Perkins	Private Landowner	Self

1. Existing Roads:

- a. To visit the well site, follow County Rd 446/146 approximately 5 miles north from Hatch Trading Post (or alternatively 1.1 miles north from Petral Exploration's Black Bull #31C facility). Turn east (at flagging) and follow location access road east and south approximately 1 mile to location.
- b. For access roads, see Map A & B.
- c. All existing Roads within a 2-mile radius are shown on Map B.
- d. Vehicles will travel only on designated roads shown on the maps.
- e. Existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Signs will be installed along the county road warning of trucks entering the roadway if required by the San Juan County Road Department.

2. Access Roads to be Constructed and Reconstructed:

- a. The well site will be accessed through a new road to be constructed.
- b. Culverts and low water crossings will be used as necessary.
- c. The use of surfacing material is not anticipated at this time.

3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location:

- a. Water Wells – Water Right 09-886; N 2600' and E 2600' from SW corner of Section 30-T38S-R25W
- b. Injection or Disposal Wells – None
- c. Producing Wells – One - 1500' to the west southwest:
Petral Exploration, LLC
Black Bull Federal #31-C
NENW Sec 31-T38S – R25W

d. Drilling Wells – None

4. Location of Existing and/or Proposed Facilities if the Well is Productive:

- a. If production is established, a Sundry notice will be submitted showing the location of the proposed facilities.
- b. All production facilities, including the pump, pump house, storage tanks, and treater will be painted an earthtone color to blend with the environment.
- c. All flowlines from the well site to battery site will be buried below frost line depth.
- d. A dike will be constructed completely around the production facilities (i.e. production tanks, water tanks, and/or heater-treater). The dikes for the production facilities will be constructed of compacted subsoil and hold the capacity of the largest tank. Any production pits will be fenced to prevent wildlife entry.
- e. Produced hydrocarbons shall be put in test tanks on location during completion work.
- f. Produced wastewater will be confined to an unlined pit for a period not to exceed 90 days after initial production. During that 90 day period an application for approval of a permanent disposal method and location (Onshore Order No. 7), along with the required water analysis will be submitted.
- g. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- h. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

5. Location and Type of Water Supply:

- a. It is anticipated water will be piped from an artesian well located in Section 30-T38S-R25E. Permits will be obtained from the State Engineer.
- b. The water source is not located on State land. Water will not be obtained from Indian Projects.
- c. A water well will not be drilled.

6. Construction Materials:

- a. Native soil will be utilized in the drilling site and access road. Additional gravel may be needed for the pulling unit pad and well site if the well is found to be productive.
- b. There will be no construction material from Indian lands.
- c. Crushed rock, if necessary, will be purchased from construction contractors in the area from existing gravel pits and hauled over access roads shown in Map A & B.

7. Methods for Handling Waste Disposal:

- a. Drill cuttings are to be contained and buried in the reserve pit. A pit 75' x 140' x 10' deep (3:1 slope) will be fenced on three sides during the drilling operations. The pit will be

lined with 12 tons of bentonite worked in with a cat. The fourth side will be fenced when the rig moves out.

- b. The reserve pit and drilling fluids contained in the pit will be allowed to dry before backfilling, or pits will be siphoned out and disposed of in a manner approved by the authorized officer of the BLM before the reserve pit is backfilled. Pit walls will not be breeched so as to drain fluids to the surrounding fluids.
- c. All wastes that accumulate during the drilling operations will be contained in a trash cage or dumpster. Wastes will be removed periodically from the location and taken to an approved landfill.
- d. Immediately after removal of the drilling rig, all garbage (meter containers, etc.) and debris on the site will be removed from the site. The reserve pit will not be utilized for trash disposal.
- e. No burning of trash will be allowed.
- f. Chemical toilets with holding tanks will be utilized. All sewage will be disposed of in accordance with county and state regulations. Petral will comply with all state laws and regulations pertaining to disposal of human waste.
- g. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt waste, or other produced fluids will be cleaned up and removed.

8. Ancillary Facilities:
None

9. Well Site Layout:

- a. See Black Bull #43-30, Well Pad and Section, Diagram 3, for elevations and cross sections. Maximum cut is approximately 6' at the northeast corner of the reserve pit. Maximum fill is 2' at the southwest corner of the drilling pad.
- b. Six inches of topsoil will be removed from the location (drilling pad) including areas of cut and fill. Soil will be stockpiled adjacent to the wellsite pad.
- c. No reserve pit liner will be required. No hazardous chemical additives will be used in the mud system.
- d. The fresh water pit, if needed, will be lined with a plastic liner. The liner will be removed from the pit at the end of the drilling operations.
- e. For the protection of livestock and wildlife, all pits containing toxic liquids will be fenced and covered with netting.
- f. See Diagram 4 for orientation of rig, pits, and associated equipment.

10. Reclamation of Surface:

- a. All pits will be backfilled, leveled and contoured to as near the current conditions as is practical.

- b. Reclamation of the entire disturbed area will be accomplished by grading the area to approximately the natural contour and spreading the topsoil as evenly as possible over the area. The entire disturbed area will be scarified with a 6' or less distance between ripped surfaces. The soil surface will be dry and loose prior to seeding and will broadcast seeded between August 1, 2000 and June 1, 2001 with the following mixture of pure live seed:

Fourwing saltbush	2 pounds/acre
Wild Sunflower	1 pound/acre
Mormon tea	1 pound/acre
Galleta	1 pound/acre
Sand dropseed	1 pound/acre
Indian ricegrass	1 pound/acre
Cliffrose	1 pound/acre

- c. All pits will be fenced and netted until dry and then backfilled.
- d. If oil is present on the reserve pit, it will be removed.
- e. Rehabilitation will be commenced when the rig moves out, with the location restored by December 30, 1999. Rehabilitation will be completed by June 1, 2001.
- f. A Notice of Intent to Abandon and a Subsequent Report of Abandonment will be submitted for abandonment approval. A Final Abandonment Notice must be submitted when the rehabilitation is complete and the new vegetation is established.
- g. If the well is plugged and abandoned, the surface casing will be cut off three (3) feet below reclaimed ground surface with a metal plate affixed to the top. The metal plate will be inscribed with the operator's name, well number, well location (1/4 1/4, Section, Township, Range, etc.) and a federal lease number.

11. Surface Ownership:

Well Site – Bureau of Land Management

Lease Access Road – Richard L. Perkins

12. Other Information:

- a. An archaeological study was conducted by 4 Corners Archaeological Services. Two (2) archaeological sites was found. Protective measures have been prescribed and archaeological clearance is recommended. A copy of the report is attached.
- b. If sub-surface cultural materials are found during any work phase, the BLM must be notified immediately. Construction will cease until the resource has been properly investigated and mitigated.
- c. The BLM is to be notified 5 days prior to starting dirtwork, for the BLM biologist to conduct a deer survey.
- d. Well site and access road are located in arid, sandy, hilly terrain. Soil is shallow, sandy, and silty. Vegetation consists of very sparse native grasses and sparse sagebrush, and small trees. The area is a natural habitat for wildlife.

- e. Sundry Notice and Report of Wells (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 32 CFR 3164.
- f. The dirt contractor will be provided with an approved copy of the surface use plan.

13. Lessee's or Operator's Representative and Certification:

Operator:

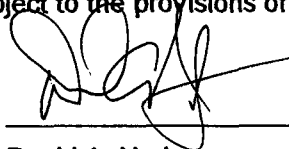
Petral Exploration, LLC
P.O. Box 5083
Denver, CO 80217
(303) 832-3131
(303) 894-9088 Fax

Certification:

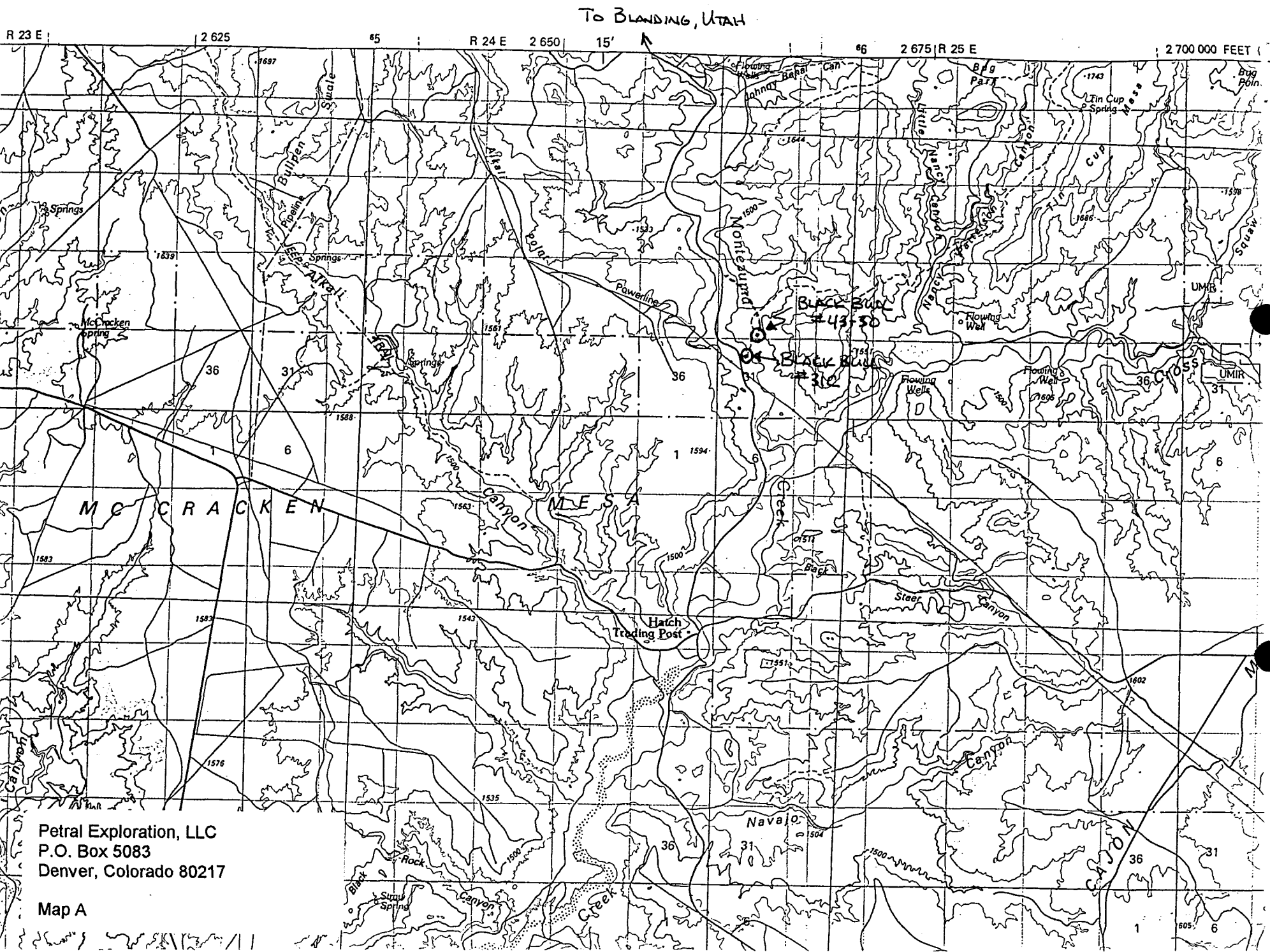
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petral Exploration, LLC, its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8/5/99

Date

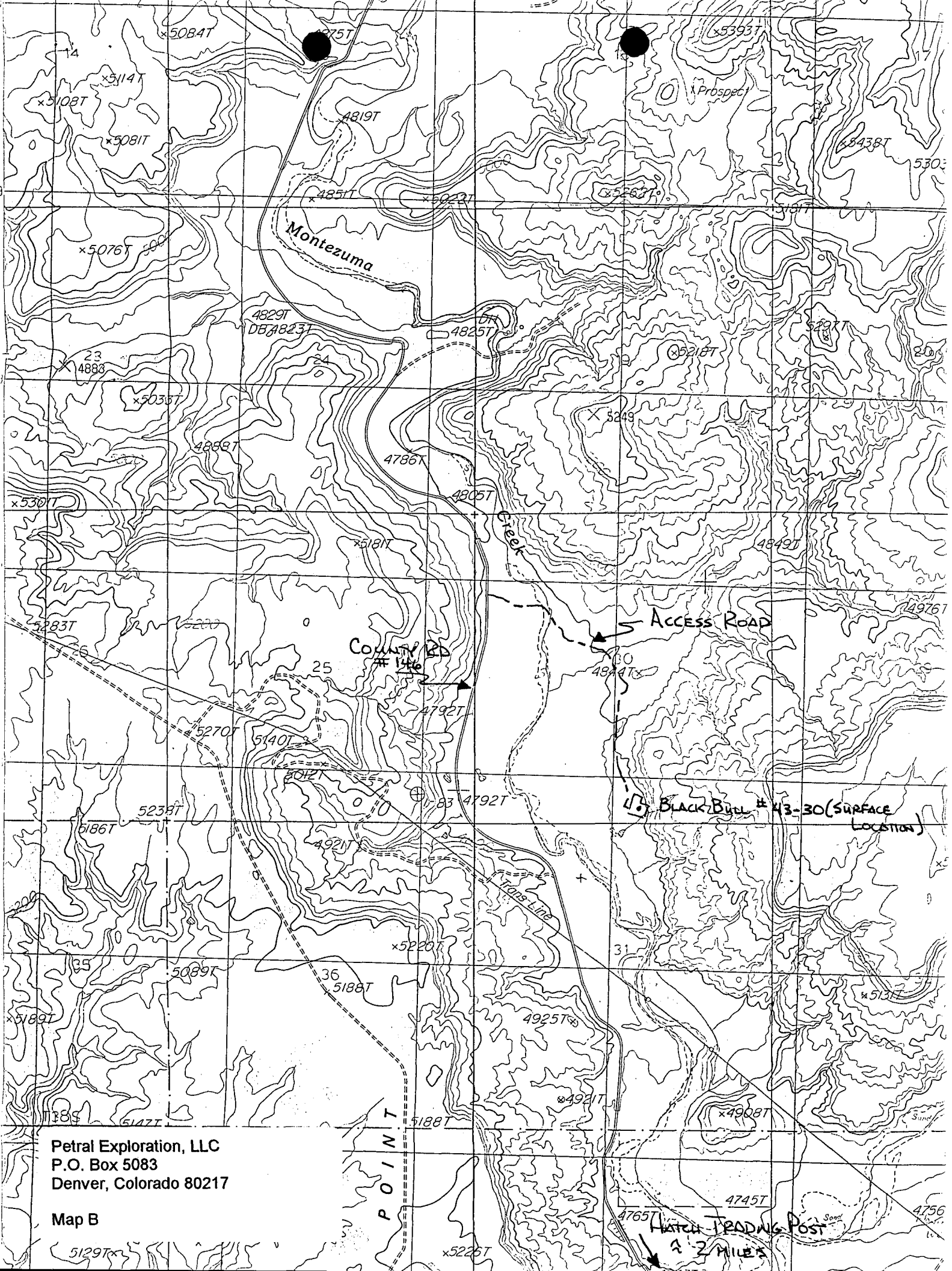


David A. Norby
Operations Manager



Petral Exploration, LLC
P.O. Box 5083
Denver, Colorado 80217

Map A



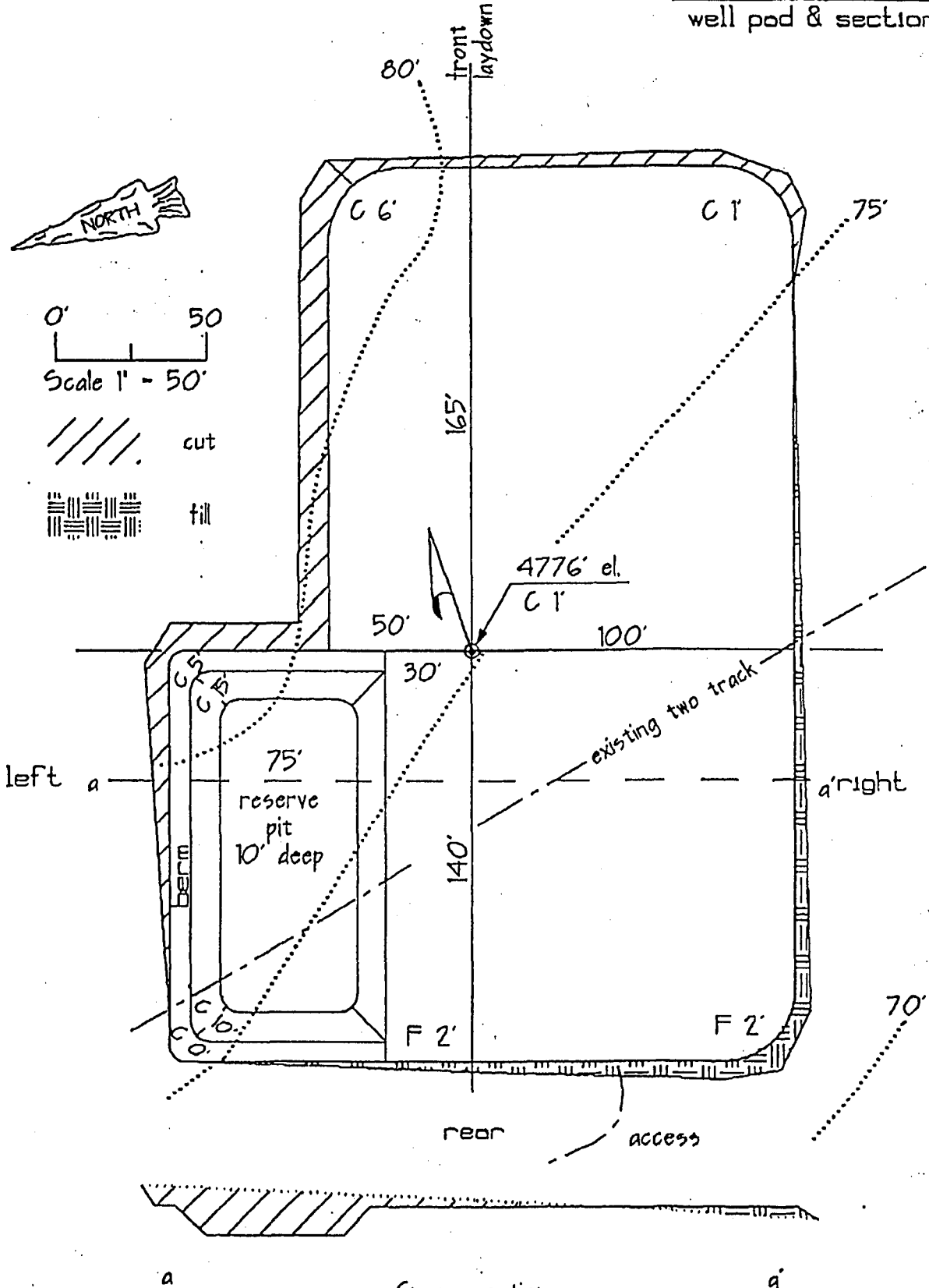
Petral Exploration, LLC
P.O. Box 5083
Denver, Colorado 80217

Map B

2 MILES

S 72° E

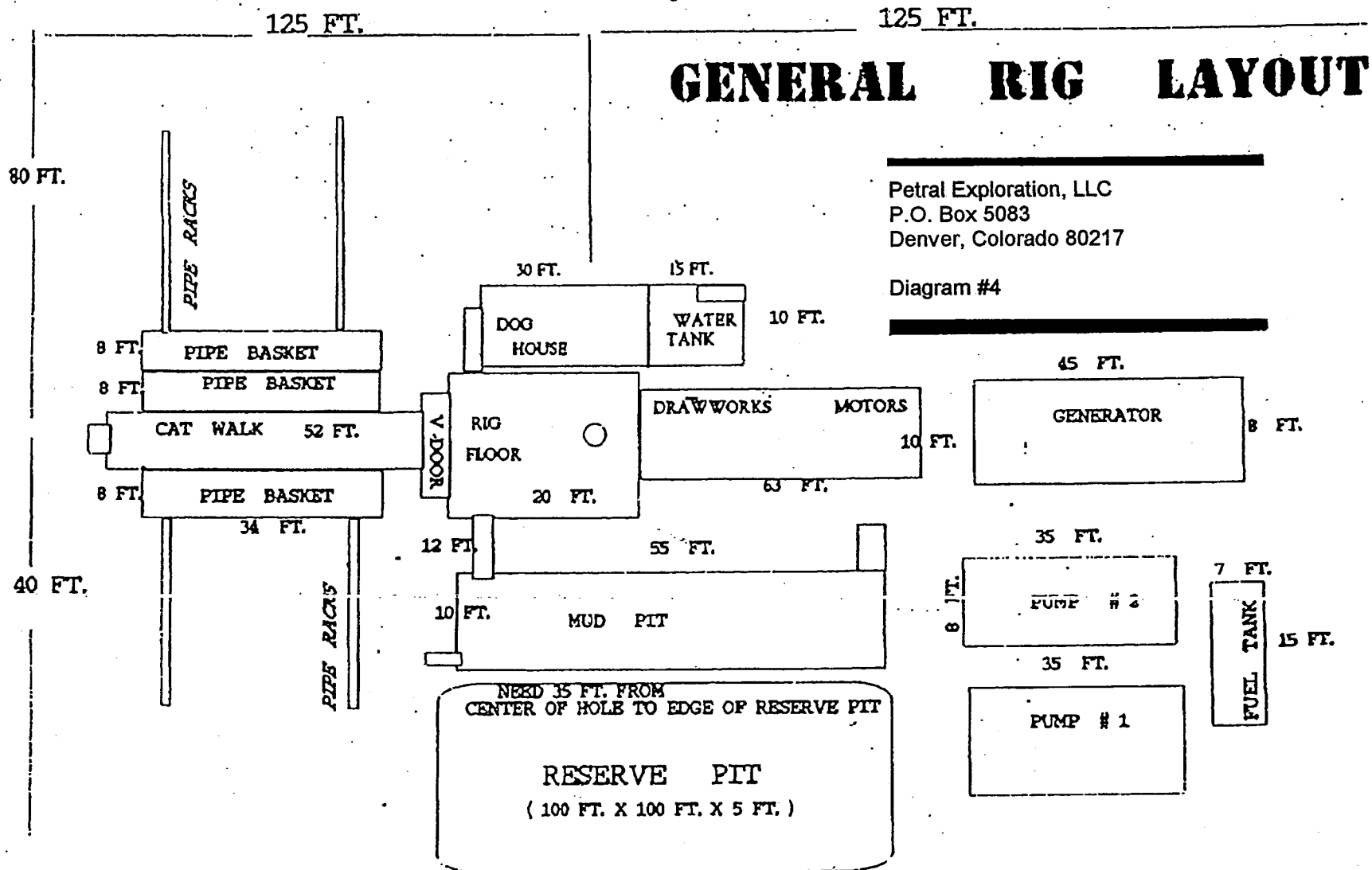
Blackbull # 43 - 30
well pod & section



Cross section

Petral Exploration, LLC
P.O. Box 5083
Denver, Colorado 80217

Diagram #3





Michael O. Leavitt
Governor
Max J. Evans
Director

State of Utah

Department of Community and Economic Development
Division of State History
Utah State Historical Society

300 Rio Grande
Salt Lake City, Utah 84101-1182
(801) 533-3500 FAX: 533-3503 TDD: 533-3502
cehistory.ushs@email.state.ut.us



September 24, 1998

RECEIVED

MAR 24 1999

Kent E. Walter, Area Manager
Bureau of Land Management
Moab District - San Juan Resource Area
P. O. Box 7
Monticello UT 84535

RE: "Archaeological Survey of Petral Exploration Black Bull #43-30 Well and Access, San Juan County, Utah" u-98-FE-0417bp

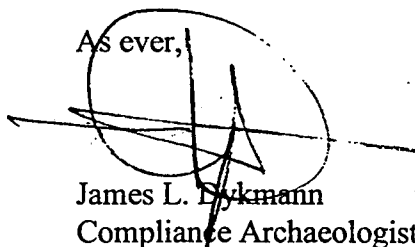
In Reply Please Refer to Case No. 98-1198

Dear Mr. Walter:

The Utah State Historic Preservation Office received the above referenced report on September 18, 1998. The report states that two sites; [42SA 23936, 2875] historic properties were recorded within the project impact area. The Utah Preservation Office concurs with the recommendation that both properties are Eligible for the National Register of Historic Places under criteria d of §36CFR60.4. We also understand that both properties can be avoided by the project. We, therefore, also concur with the report's recommendation that there will be No Effect.

This information is provided on request to assist the Bureau of Land Management with its Section 106 responsibilities as specified in § 36CFR800. If you have questions, please contact me at (801) 533-3555. My email address is: jdykman@state.ut.us

As ever,



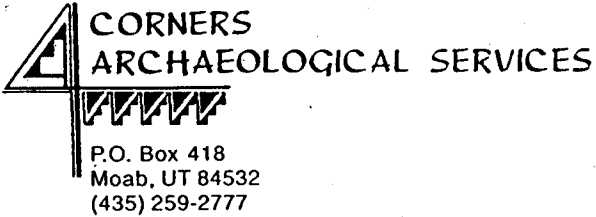
James L. Dykman
Compliance Archaeologist

JLD:98-1198 BLM/DOEx2/NE

c: Four Corners Archaeological Services, P. O. Box 418, Moab UT 84532-0418

F:\CULTURAL\JIM98-1198.wpd

Preserving and Sharing Utah's Past for the Present and Future



P.O. Box 418
Moab, UT 84532
(435) 259-2777

Ms. Dale Davidson, Area Archaeologist
Bureau of Land Management
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

July 29, 1998

Dear Dale:

For your records please find two copies of our archaeological report for Petral Exploration Company's proposed Black Bull #43-30 well pad and access route located in San Juan County, Utah. The project is located on private lands and lands administered by the Bureau of Land Management, San Juan Resource Area. The proposed well pad is located in its' entirety on Utah BLM administered lands. Less than 1000' of the proposed access route is also on BLM lands. A total of 27.2 acres were inventoried for cultural resources.

Two archaeological sites were found in the project area. Site 42Sa23936 is an historic site situated southwest of the proposed well pad. Because structural features at the site are situated well over 100' from the edge of the staked well location, the site should not be effected by project activities. Site 42Sa2875, a prehistoric habitation site, is bisected by the proposed access which consists of a two-track dirt road across private surface. In agreement with the private landowner Mr. Richard Perkins, it is recommended that approximately 130' of the road (marked in blue and white flagging tape) where a portion of the site exists, be covered with 'petromat' to protect any underlying cultural deposits from general use of the road. If these protective measures are taken, than archaeological clearance is the recommended procedure.

Sincerely,

Carol S. DeFrancia
Principal Investigator

CSD/distribution:

Mr. E.K. Bostick, Enmarc, Inc. Denver

ARCHAEOLOGICAL SURVEY OF
PETRAL EXPLORATION COMPANY'S PROPOSED
BLACK BULL #43-30 WELL PAD & ACCESS ROUTE
SAN JUAN COUNTY, UTAH

4-CAS REPORT 9819

by
Carol S. DeFrancia

4-CORNERS ARCHAEOLOGICAL SERVICES
76 S. Main Street
Moab, Utah 84532
(435) 259-2777

July 28, 1998

FEDERAL ANTIQUITIES PERMIT 97UT62712
Utah State Permit No. U-98-FE-0417bp

Prepared For:
Petal Exploration
1700 Lincoln, Suite 5000
Denver, CO 80203

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ABSTRACT

The archaeological survey of Petral Exploration Company's proposed Black Bull #43-30 well pad and approximately 5000' of an access route was conducted by personnel of 4-Corners Archaeological Services between July 24, and July 27, 1998. The project is located in the vicinity of Montezuma Creek in San Juan County, Utah, approximately fifteen miles southeast of the town of Blanding. A total of 27.2 acres were inventoried for cultural resources on private surface and lands administered by the Utah Bureau of Land Management, San Juan Resource Area.

Two archaeological sites were found in the project area. Site 42S23936 is an historic site situated southwest of the proposed well pad, and site 42Sa2875, a prehistoric habitation, is bisected by a two-track dirt road on private surface.

INTRODUCTION

The archaeological survey of Petral Exploration Company's proposed Black Bull #43-30 well pad and approximately 5000' of access route was conducted by Carol DeFrancia of 4-Corners Archaeological Services between July 24, and July 27, 1998. The project is located along a floodplain region and base of the canyon slope in Montezuma Canyon (Figure 1) on privately owned lands and lands administered by the Bureau of Land Management, San Juan Resource Area Office, Monticello. The survey was requested by Mr. E. K. Bostick of Enmarc, Inc. Huddleston Surveying personnel staked and flagged the well pad prior to the survey. The proposed well pad is located in its' entirety on Bureau of Land Management administered lands. The proposed ca. 5000' of access route extends north and northwest of the well location and connects to the main road along Montezuma Canyon. Less than 1000' of the proposed access route crosses lands administered by the BLM. A total of 27.2 acres were inventoried for cultural resources (Figure 2).

Principal federal legislation that is designed to conserve and protect cultural resources includes the Antiquities Act of 1906 (PL 52-209), the National Historic Preservation Act of 1966 (PL 89-665), the National Environmental Policy Act of 1969 (PL 91-190), the 1971 Executive Order No. 11593, the Archaeological and Historical Conservation Act of 1974 (PL 93-291), and the Archaeological Resource Protection Act (ARPA) of 1978 (PL 95-96).

Two archaeological sites were found in the project area. Site 42Sa23936 is an historic site situated southwest of the proposed well pad. Because structural features at the site are situated over 100' from the edge of the staked well location, the site should not be effected by project activities. Site 42Sa2875, a prehistoric habitation site, is bisected by the proposed access which consists of a two-track dirt road across private surface. In agreement with the private landowner Mr. Richard Perkins, it is recommended that approximately 130' of the road (marked in blue and white flagging tape) where a portion of the site exists, be covered with 'petromat' to protect any underlying cultural deposits from general use of the road.

PROJECT AREA

Map Reference: Hatch Trading Post, Utah 1985 (7.5' series)

Total Project Area: 8.2 acres; area surveyed 27.2 acres

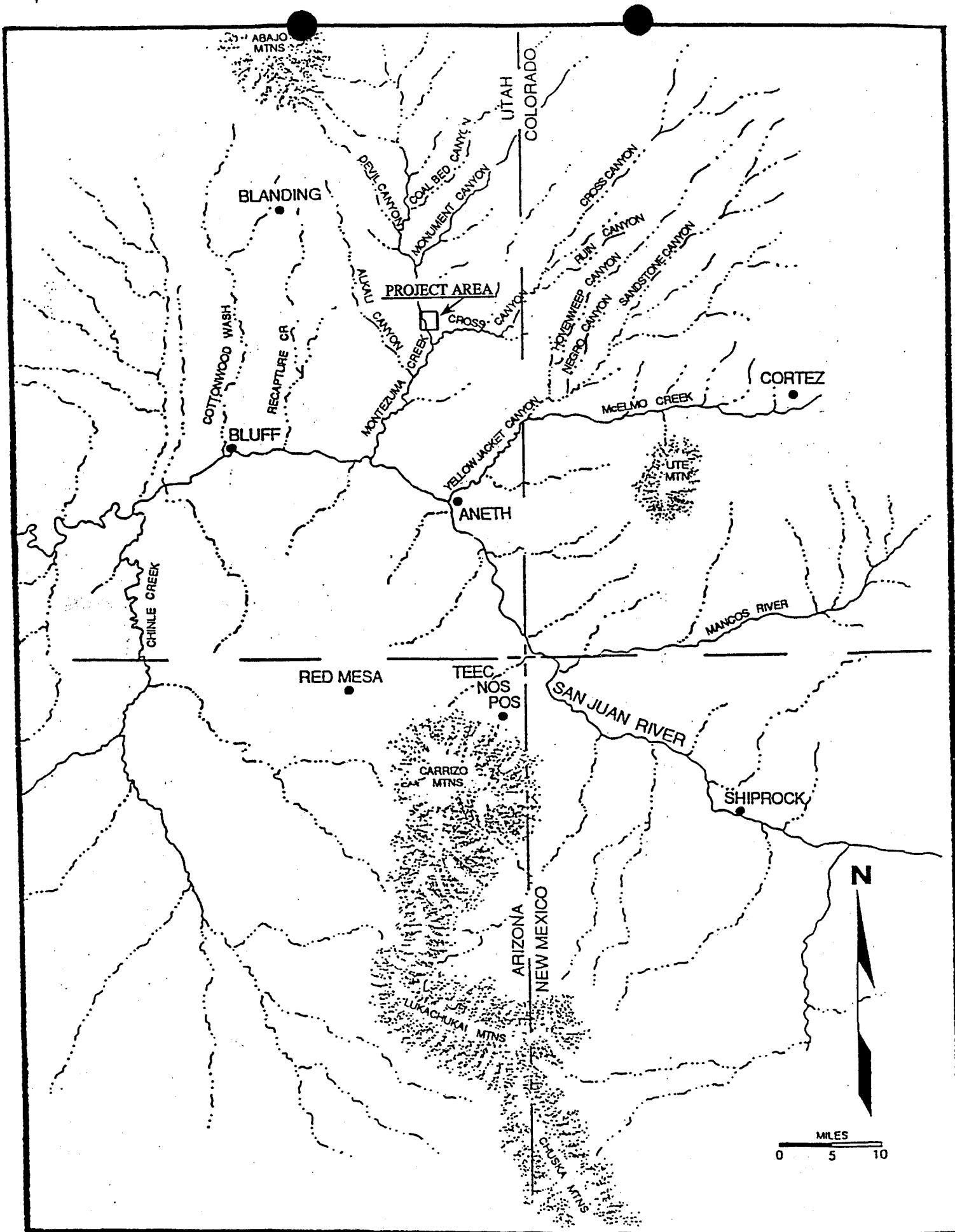
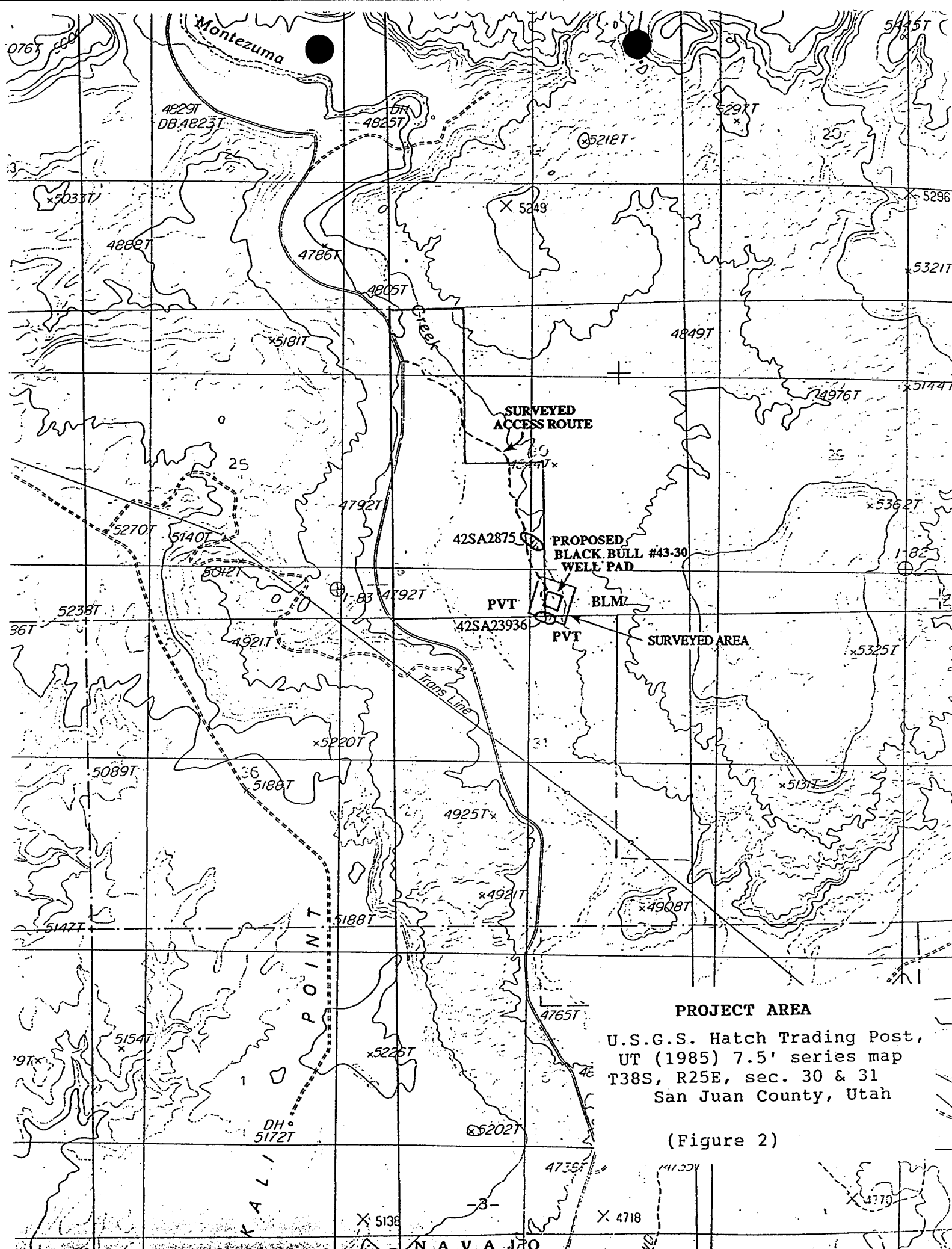


Figure 1. Project Area



PROJECT AREA
U.S.G.S. Hatch Trading Post,
UT (1985) 7.5' series map
T38S, R25E, sec. 30 & 31
San Juan County, Utah

(Figure 2)

Black Bull #43-30 Well Pad

Legal Description: T38S, R25E: SW 1/4, SW 1/4, SE 1/4 of section 30

Center Stake: 297' FSL, 2369' FEL

UTM Coordinates:

(all in zone 12)

(Surveyed Area)

	Easting	Northing
NW Corner	658050	4145960
NE Corner	658240	4145910
SE Corner	658180	4145720
SW Corner	658000	4145780

Project Area: Well Pad 210 x 305'; (1.4 acres)

Surveyed Area: 660 x 660' (10 acres)

Results: One historic site situated southwest of the proposed well location.
Site 4223936 UTM coordinates:
Zone 12; 658020mE, 4145740mN

Well Pad Access

Legal Description: Section 30, T38S, R25E:

UTM Coordinates:

(all in zone 12)

	Easting	Northing
S End	658080	4145840 (southwest rear of pad)
Bend	658000	4146010
Bend	657920	4146300
Bend	657940	4146360
Bend	657920	4146400
Bend	657880	4146580
Bend	657640	4146720
Bend	657620	4146880
Bend	657460	4147000
Bend	657420	4147060
NW End	657340	4147070 (Montezuma Co. Rd.)

Project Area: 5000' long, maximum 60' wide (6.8 acres)

Surveyed Area: 5000' x 150' (17.2 acres)

Results: One prehistoric site bisected by existing road and
proposed access route.

Site 42Sa2875 UTM coordinates:
Zone 12; 658000mE, 4146160mN

PHYSIOGRAPHY AND ENVIRONMENT

The project area is located in San Juan County, Utah approximately fifteen miles southeast of the town of Blanding in the bottom of Montezuma Canyon. The area lies in the Colorado Plateau physiographic province and is a structural element of the Blanding Basin (Stokes 1977). The proposed well pad and access route lies in its' entirety along the floodplain of Montezuma Canyon. A moderately steep escarpment lies on the east edge of the proposed location. Terrain in the area is generally flat with deep alluvial sandy loess. Large talus boulders and colluvial deposits border the east edge of the proposed location.

Throughout the Blanding Basin are numerous sources of lithic materials for tool manufacture, outcrops of clay and iron minerals for ceramic construction and decoration, and an abundance of sandstone available for construction and other natural resources important to the areas prehistory.

Vegetation along the floodplain is predominately a cold desert shrub association dominated by greasewood, and lesser frequency of saltbush, shadscale, snakeweed, rabbitbrush, Indian ricegrass, and sagebrush. A pinyon-juniper woodland is prevalent at higher elevations along the canyon bench and ridges to the east. Cottonwood, tamarisk, and willow are common riparian species found along the floodplain of Montezuma Creek.

Permanent water sources are available in numerous springs and seeps in the heads of Montezuma Creek. One developed artesian spring lies less than one-half mile northwest of the well location. Montezuma Creek generally holds water for several months throughout the late winter/spring season.

Reptilian, avian, and mammalian associations are consistent with those of the Upper Sonoran Life Zone throughout the Colorado Plateau.

Currently, most of the area is used for cattle grazing and limited oil and gas development.

PREVIOUS RESEARCH

A file search was conducted on July 21, 1998 at the BLM San Juan Resource Area Office in Monticello. The results of the review indicated that a large number of oil and gas related surveys have been conducted in the vicinity between the late 1970's and 1980's and that several archaeological sites (10+) are documented within one to three miles from the project area. One previously BYU documented site, 42Sa2875, is situated within the project area and was re-recorded. Apart from smaller energy-related surveys (4-CAS Reports 9115, 9319, 9327, & 9329), more recently, two extensive 3-D seismic surveys (4-CAS reports 9720a & 9722b) were conducted less than three miles north of the project area and less than three miles south of the project area. Site types affiliated with the Archaic and Anasazi occupation of the area range from lithic scatters and small isolated features to larger prehistoric habitations and village-size settlements. Isolated occurrences of EuroAmerican historic settlement are occasionally found around the Montezuma Canyon area, however, the vast majority of historic sites in this section of the canyon are more commonly attributed to temporary or seasonal campsites of Navajo origin.

ARCHIVAL RESEARCH

Archival research was conducted to identify one historic site found in the project area. Definitive historical documentation of the newly recorded site (42Sa23936) was not available and research was limited to interviews with the private landowners (Richard Perkins and Max Dalton; July 1998), and file searches conducted with the Monticello Public Library, the San Juan County assessors office, the San Juan County Economic Development director Peggy Humphrey in Monticello, and CEU history professor Robert McPhearson in Blanding. Based on these interviews, the site is believed to be an early Utah pioneer schoolhouse and possible homestead associated with the Mormon Church.

EXAMINATION PROCEDURES

Prior to the field investigations the well pad and access were staked and flagged. A 660 x 660' area surrounding the well center stake (10 acres) was inventoried by walking a series of parallel transects spaced 15m apart. Two parallel zig-zag transects were walked along the access route, covering a 150' wide corridor. This effectively gives a minimal 60' buffer on either side of the access road.

SURVEY RESULTS

Two archaeological sites were found in the project area. Site 42Sa23936 is believed to be an early pioneer schoolhouse and homestead situated southwest of the proposed well pad. Approximately one-quarter mile north of the proposed well pad is a Pueblo II habitation site (42Sa2875) that is bisected by the proposed access route. A brief description for the two sites are presented in Appendix A.

CONCLUSION AND RECOMMENDATIONS

The archaeological survey of Petral Exploration Company's Black Bull #43-30 well pad and approximately 5000' of an access route was conducted by personnel of 4-Corners Archaeological Services between July 24, and July 27, 1998. The project is located in the bottom of Montezuma Canyon in San Juan County, Utah, approximately fifteen miles southeast of the town of Blanding. A total of 27.2 acres were inventoried for cultural resources.

Two archaeological sites were found in the project area. Site 42Sa23936 is an historic site situated southwest of the proposed well pad. Because structural features at the site are situated well over 100' from the edge of the staked well location, the site should not be effected by project activities. Site 42Sa2875, a prehistoric habitation site, is bisected by the proposed access which consists of a two-track dirt road across private surface. In agreement with the private landowner Mr. Richard Perkins, it is recommended that approximately 130' of the road (marked in blue and white flagging tape) where a portion of the site exists, be covered with 'petromat' to protect any underlying cultural deposits from general use of the road. If these protective measures are taken, then archaeological clearance would be the recommended procedure.

REFERENCES

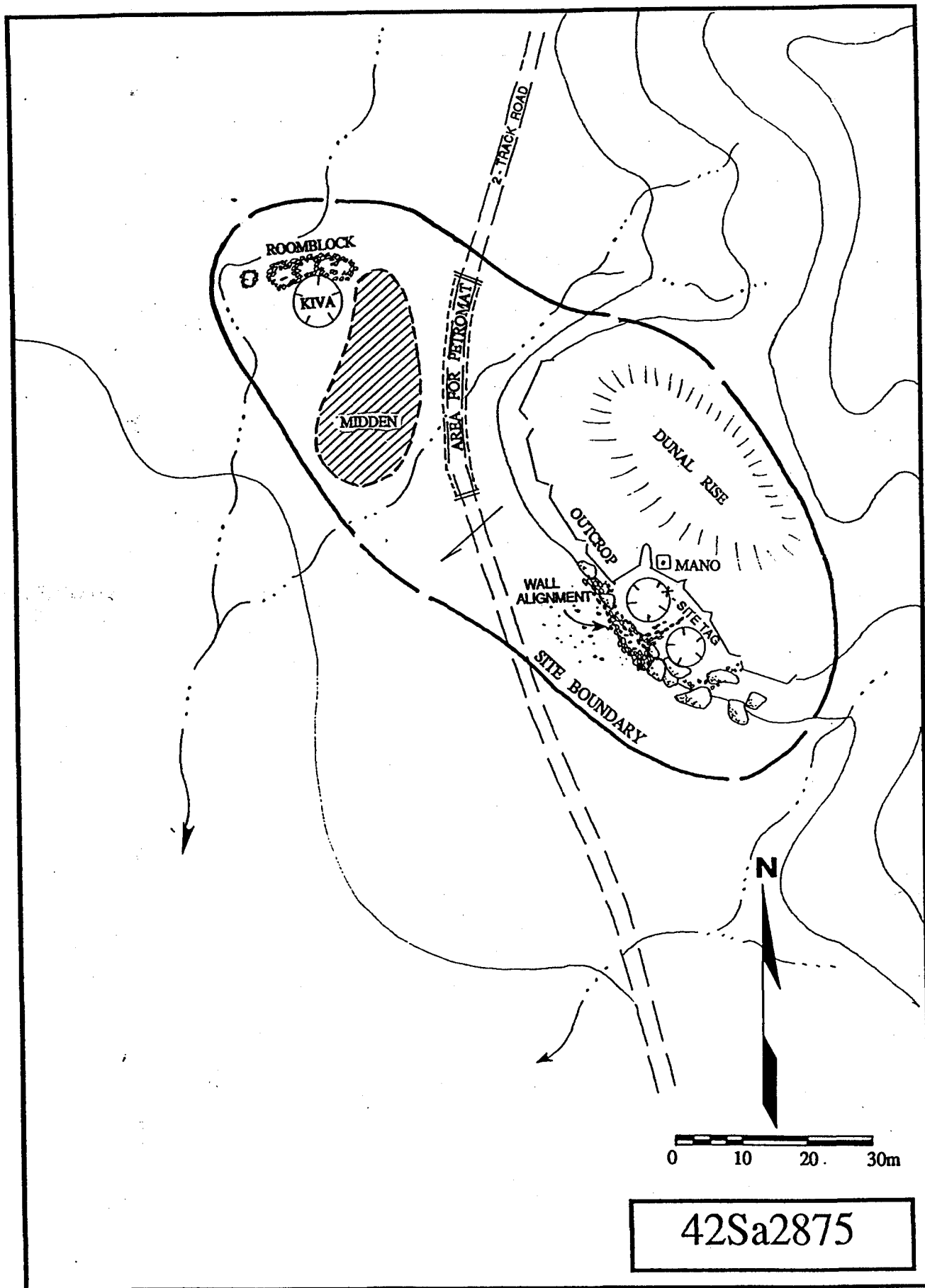
- Dalton, Max
1998 personal communication.
- DeFrancia, Carol S.
1997 Cultural Resource Survey for Western Geophysical Company's Canyon Junction 3-D Seismic Program Near Montezuma/Bug Canyon Confluence, San Juan County, Utah. 4-CAS Report 9722b, Moab.
- 1997 Cultural Resource Survey for Western Geophysical Company's Black Steer Canyon 3-D Seismic Program, San Juan County, Utah. 4-CAS Report 9720a, Moab.
- 1993 Archaeological Survey of Sunfield Energy Company's Chaparral 2-A Well Pad and Access Route, San Juan County, Utah. 4-CAS Report 9329, Cortez.
- 1993 Archaeological Survey of Sunfield Energy Company's Condor 24-E Well Pad and Access Route, San Juan County, Utah. 4-CAS Report 9328, Cortez.
- 1993 Archaeological Survey of Sunfield Energy Company's North Patterson 25-A Well Pad and Access Route, San Juan County, Utah. 4-CAS Report 9327, Cortez.
- 1993 Archaeological Survey of Sunfield Energy Company's Chaparral 1-L Directional Well (Re-Survey of Cazador Unit #3-1), San Juan County, Utah. 4-CAS Report 9319, Cortez.
- 1991 Archaeological Survey of Century Geophysical's North Patterson Seismograph Lines (91-NP-1 through 91-NP-14) San Juan County, Utah. 4-CAS Report 9115, Cortez.
- Humphrey, Peggy
1998 personal communication.
- McPhearson, Robert
1998 personal communication.
- Perkins, Richard
1998 personal communication.
- Stokes, William Lee
1987 Geology of Utah. Occasional Paper Number 6. Utah Museum of Natural History, University of Utah, Salt Lake City.

APPENDIX A

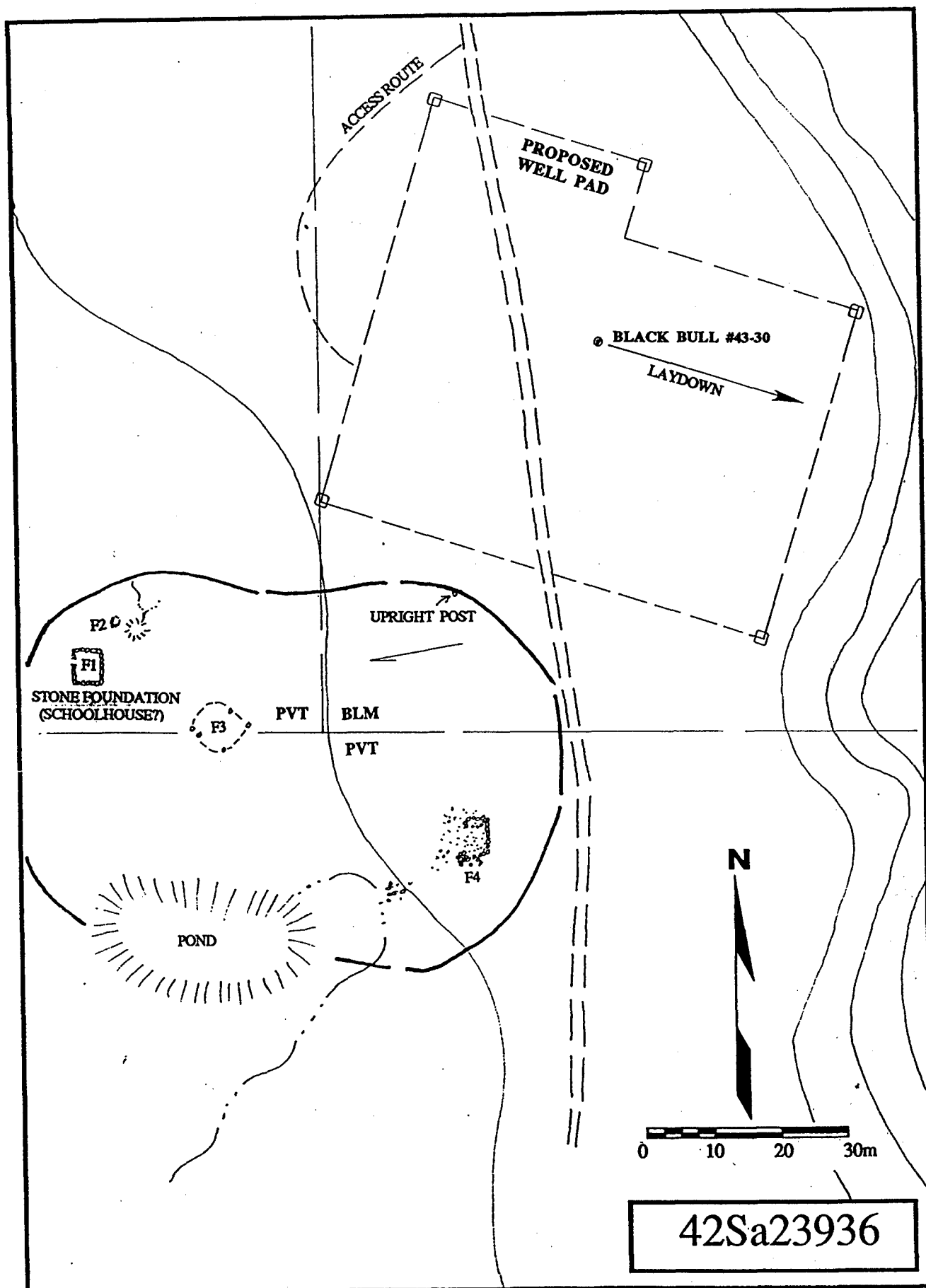
Site Descriptions:

Site 42Sa2875: The site consists of a Pueblo II habitation situated along a southwest facing outcropped canyon bench and floodplain region in Montezuma Canyon. The site, which lies in its entirety on private surface, has received extensive surface disturbance from livestock trampling and is bisected by a dirt road. No apparent structural features are exposed in the road cut. The southeastern periphery of the site area contains two probable kiva depressions with a central wall partition, and a perpendicular (or T) wall abutted against the base of a southwest facing sandstone outcrop. The kiva depressions (average 5.5m to 6.5m in diameter) are surrounded on three sides by a 1.5m high natural outcrop bench that encloses a 10 x 18m area. An irregular alignment of unshaped sandstone block debris lies between the two depressions. Talus boulders are situated below the bench to the southwest and are intermixed with a crude dry-laid wall alignment containing mostly unshaped sandstone block debris. The alignment extends 15 meters along the base of the slope below the probable cultural depressions. From the base of the wall to the top of the bench area is approximately 1.2m high. A light scatter of artifacts and burned rock debris is scattered to the west and heavily concentrated within a well developed midden deposit on the west side of the access road. The 15 x 30m midden deposit contains a dense accumulation of ash, sandstone debris, and artifacts which probably served as the main refuse area for the structures to the southeast as well as a pueblo/kiva complex on the northwest side of the midden. An east - west oriented roomblock measures roughly 15 x 4m and contains at least four rooms. The rubble mound has been heavily impacted from livestock trampling and extends less than 50cm high. One intact upright slab (35 x 30 x 4cm) lies in the center of the west periphery of the roomblock. Additionally, one 2 x 1m isolated rectangular room alignment is situated a few meters west of the roomblock. A 6.5m kiva depression flanks the south side of the rooms and extends 20 - 30cm below ground surface. Artifacts are scattered over a 55 x 110m area and contain solid Pueblo II ceramics (mostly ca. 250+ Cortez B/W, Indented Corrugated w/straight rims), Mancos B/W, and unclassified whiteware sherds), and lithic debitage (ca. 500+ items) consisting of green & tan banded Brushy Basin chert and light green siltstone represents all stages of tool reduction. One mano fragment and a number of siltstone cores were observed across the site surface. No formal tools were noted and it is suspected that the site has been 'picked over' or surface collected. Because of the potential for significant intact cultural deposits, the site is considered eligible for a listing to the N.R.H.P.

Site 42Sa23936: The site consists of an early Utah pioneer schoolhouse and homestead situated in the bottom of Montezuma Canyon. Principle features at the site include two rectangular sandstone foundations (Features 1 & 4), one privy or outhouse (F2), and one post and wire corral (F3). Feature 1 lies in the western periphery of the site area and consists of a 4 x 5.5m rectangular sandstone foundation oriented north - south. The one-room structure is believed to be an early 1900's LDS schoolhouse (Richard Perkins and Max Dalton, personal communication; 1998). Well shaped sandstone blocks (average ca. 30 x 30 x 8cm) are piled six courses high (ca. 70cm) along the NW corner which is in the most stable condition. A door jam is indicated on the west wall containing two large upright tabular sandstone slabs roughly 1m apart and 60cm high. The east and south walls of the structure are mostly single course stones while the north and west walls remain more intact. Interior sandy fill is overgrown with cheatgrass and greasewood, and contains a few pieces of milled lumber and a portion of the northern wall which has collapsed inside of the room. The bottom half of a rusted woodstove (50 x 60cm) lies a few meters east of the NE corner of the room. A probable privy or outhouse (F2) lies ca. 4 meters northeast of the structure and consists of a 2.5 x 3m depression (40 - 50cm deep) containing a rectangular alignment of sandstone blocks on the N, W, and S sides of the



depression. A small drainage ditch and 4 x 4.5m depressed area lies just east of the feature. The only artifacts found in association in this area consisted of a few cylindrical tractor parts and milled lumber (2x4's). Approximately 20 meters southeast of the stone foundation is an upright post & wire corral (F3) ca. 8m in diameter. Atleast 5 upright axe-cut juniper posts are still intact. Single strand wire and double strand barbed wire is attached to the uprights on the east edge. Another rectangular stone foundation (F4) lies along the eastern-most periphery of the site area and contains a burned linear alignment of oxidized sandstone blocks and charcoal & ash covering a 4 x 6m area. One 3m section of the NE wall is still intact. The remainder of the one-room structure is disarticulated and scattered to the north and west. A 1.3 x 1.5 rock and sandstone pile is located on the southwest edge of the structure. The vast majority of historic artifacts are concentrated in this area. Associated trash consists of a scatter of aqua-marine and purple glass fragments (25+) as well as bottle base fragments, atleast 7 pieces of white earthenware ceramic potsherds (some with brown rim bands and thick vessel walls), and a number of rusted tin cans. Tin cans included ca. 5 pry-out lids, 2 lard buckets, 8 misc. food containers with outside crimped seams, 2 motor oil (quart) cans, 2 soft drink cans, and 5 misc. tin food cans, each tied through the center with an 18" piece of single strand wire. Scattered barbed wire remnants (double & single strand) and pieces of milled lumber with wire/round nails were also noted. The entire site surface covers a 50 x 90m area. Based on the presence of purple glass (and manganese content), the site may be dated somewhere between 1880 and 1925 A.D. Definitive historical documentation of the site was not available and research was limited to interviews with the private landowners (Richard Perkins and Max Dalton; July 1998), and file searches conducted with the Monticello Public Library, the San Juan County assessors office, the San Juan County Economic Development director Peggy Humphrey, and CEU professor Robert McPhearson. Because of the significant potential for historic land use studies within a local and regional context, the site is considered eligible for the National Register of Historic Places.



SAN JUAN COUNTY ROAD DEPARTMENT
835 East Highway 666
Post Office Box 188
Monticello, Utah 84535
(435) 587-3230
FAX# (435) 587-2771

RECEIVED

JUL 19 1999 Application for Right-of-Way Encroachment Permit

Date July 2, 1999

TO: San Juan County Surveyor/Engineer
Post Office Box 188
Monticello, Utah 84535

Application is hereby made by: (1) Petral Exploration, LLC

Address (2) P.O Box 5083, Denver, CO 80217

Telephone Number: 303-832-3131 for permission to do the
following: (3) Use Country Road 446 for access to a drilling location
in section 30-T385-R25E. Drilling equipment and crews will be using the road

(4) Location: Section 30-T385-R25E

City Blanding County San Juan State Utah
or U.S. Highway No. n/a Milepost No. n/a in accordance
with the attached plan. (5)

(6) Construction will begin on or about n/a 19 and
will be completed on or before n/a 19 .

If the proposed installation requires breaking of the
pavement, give the following information:

- a. Type of pavement: n/a
- b. The opening to be made will be n/a feet long by
n/a feet wide and n/a feet deep.
- c. A bond in the amount of \$ has been posted with
n/a Telephone No.

to run of a term of three (3) years after completion of work to
guarantee satisfactory performance.

(7) If this permit is granted, we agree to comply with all
conditions, restriction, and regulations as contained in the
"Regulations for the Control and Protection of State Highway

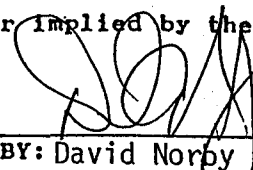
Rights-of-Way", approved by the Utah State Road Commission of October 8, 1962, and all revisions thereto or Regulations adopted by the San Juan County Commission.

(8) In approving this application and locations of utilities, and effort will be made to approve only locations that will not be affected in the event that San Juan County changes the roadway. But, in situations in which the utility has to be moved, this moving shall be done by the utility company or paid for by the company.

(9) For any and all applications requesting authority to use vibratory equipment, applicants shall:

- a. Provide map showing where vibrations will take place.
- b. Agree to repair any damages or replace any property damaged.
- c. Take full responsibility for proper flagging and traffic control.
- d. Agree that vibrating done in the area of dirt roads shall be done on the dirt road rather than in the bar ditch to minimize damage.
- e. Provide a schedule of the planned work and estimated dates of completion.
- f. Attach written permission from all adjacent fee-title owners.
- g. The San Juan County commission has authorized the San Juan County Surveyor/Engineer (or his Assignees) to issue permits.

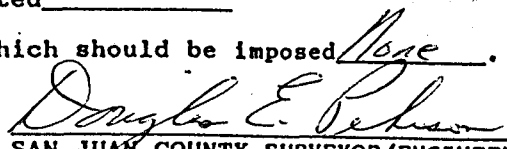
(10) San Juan County can only grant permission to the extent that the County has the authority to do so and the permission granted hereunder is limited to the interest of authority actually owned by San Juan County and no warranties of ownership or authority to grant permission is expressed or implied by the granting of this permit.

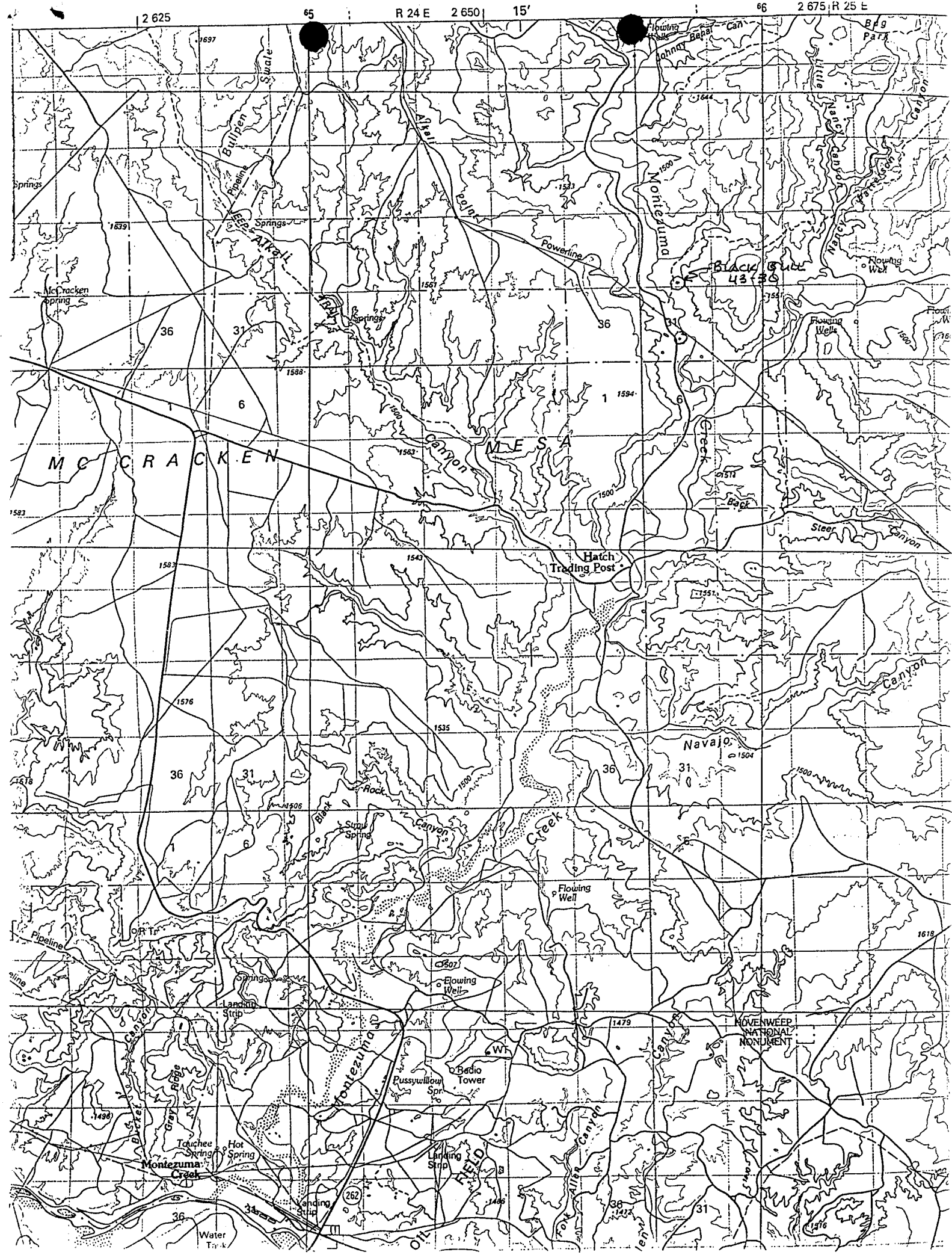

BY: David Norby
Operations Manager
TITLE

To be filled in by San Juan County Surveyor/Engineer.

(1) Permit should be granted Yes
Permit should not be granted _____

(2) Additional requirements which should be imposed None.


SAN JUAN COUNTY SURVEYOR/ENGINEER



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/06/1999

API NO. ASSIGNED: 43-037-31803

WELL NAME: BLACK BULL FED 43-30
OPERATOR: PETRAL EXPLORATION LLC (N7700)
CONTACT: David Norby (303) 832-3131

PROPOSED LOCATION:
SWSE 30 - T38S - R25E
SURFACE: 0297-FSL-2369-FEL
BOTTOM: 0149-FSL-2409-FEL
SAN JUAN COUNTY
UNDESIGNATED FIELD (002)

LEASE TYPE: FED
LEASE NUMBER: UTU-72656
SURFACE OWNER: Federal

INSPECT LOCATN BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

PROPOSED FORMATION: ISMY

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed ☒ Ind[] Sta[] Fee[]
(No. KT 1040)
☒ Potash (Y/N)
☒ Oil Shale (Y/N) *190-5(B)
☒ Water Permit
(No. 09-169)
☒ RDCC Review (Y/N)
(Date: _____)
N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

(*1st Exp/oblig. well)
____ R649-2-3. Unit Black Bull
____ R649-3-2. General
Siting: _____
____ R649-3-3. Exception
____ Drilling Unit
Board Cause No: _____
Eff Date: _____
☒ Siting: _____
____ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS: 1 FEDERAL APPROVAL



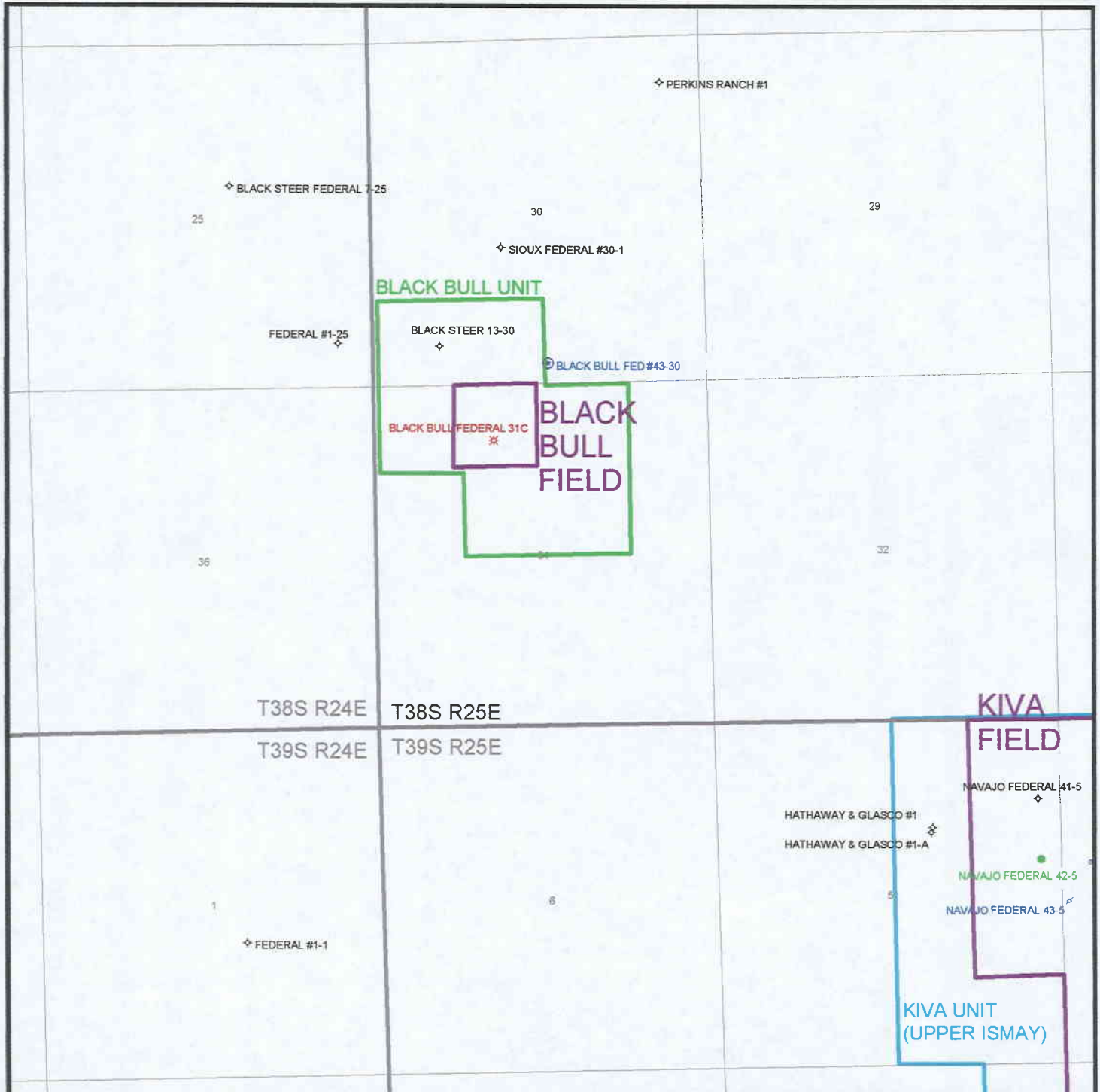
Division of Oil, Gas & Mining

OPERATOR: PETRAL EXPLORATION LLC (N7700)

FIELD: UNDESIGNATED (002)

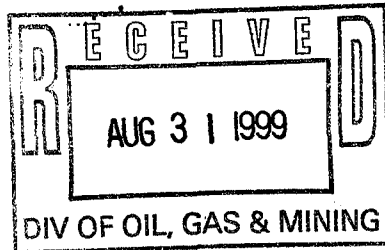
SEC. 30, TWP 38 S, RNG 25 E,

COUNTY: SAN JUAN UNIT:



PREPARED
DATE: 10-AUG-1999

FAX COVER SHEET



PETRAL EXPLORATION, LLC
1700 LINCOLN STREET
SUITE 4750
DENVER, CO 80203
PO BOX 5083
DENVER, CO 80217-5083

TELEPHONE: (303) 832-3131

FAX NUMBER: (303) 894-9088

DATE: 8/31/99
TO: Lisha Cordova
FROM: David Norby
FAX NUMBER: 301-359-3940
OF PAGES (Including Cover Sheet): 3
MESSAGE:

Lisha,

Attached is a copy of the approved
water permit for the Black Bull
43-30. Call if you have any
questions.

David

PLEASE CALL IF YOU DID NOT RECEIVE ALL PAGES



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Robert L. Morgan
State Engineer

Southeastern Area
453 South Carbon Avenue
PO Box 718
Price, Utah 84501-0718
801-637-1303
801-637-7937 (Fax)

August 25, 1999

RECEIVED

AUG 30 1999

Petral Exploration LLC
Attn: David A. Norby
P.O. Box 5083
Denver, Colorado 80217

Re: Temporary Change Application Number t23641 (09-169)
Expiration Date: March 10, 2000

Dear Mr. Norby:

The above referenced Temporary Change Application is hereby approved. A copy is enclosed for your information and records.

If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Mark P. Page'.

For
Mark P. Page
Regional Engineer

Enclosures
MPP/mjk

APPLICATION FOR TEMPORARY CHANGE OF WATER RECEIVED

STATE OF UTAH

AUG 20 1999

WATER RIGHTS
PRICE

Rec. by _____

Fee Paid \$ _____

Receipt # _____

Microfilmed _____

Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

*WATER RIGHT NO. 09 169 *APPLICATION NO. t t23641

Changes are proposed in (check those applicable)

X point of diversion. X place of use. X nature of use. X period of use.

1. OWNER INFORMATION

Name: Petral Exploration LLC

*Interest: _____%

Address: P.O. Box 5083

City: Denver

State: Colorado

Zip Code: 80217

2. *PRIORITY OF CHANGE: August 25, 1999

*FILING DATE: August 25, 1999

*Is this change amendatory? (Yes/No): No

3. RIGHT EVIDENCED BY: 09-169 (A24863); 09-886 (A49600)

Prior Approved Temporary Change Applications for this right: t21172

***** HERETOFORE *****

4. QUANTITY OF WATER: _____ cfs and/or 3.0 ac-ft.

5. SOURCE: Underground Water Well

6. COUNTY: San Juan

7. POINT(S) OF DIVERSION: 1) N. 2350 ft. & W. 444 ft. from SE Cor. Sec. 12, T38S, R25E, SLB&M;

2) N. 1946 ft. & E. 1152 ft. from SW Cor. Sec. 7, T38S, R25E, SLB&M;

3) N. 1651 ft. & E. 2236 ft. from SW Cor. Sec. 7, T38S, R25E, SLB&M;

4) N. 917 ft. & E. 2414 ft. from SW Cor. Sec. 7, T38S, R25E, SLB&M.

Description of Diverting Works: 5-8" casing; 500 feet deep

8. POINT(S) OF REDIVERSION

The water has been rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is _____ cfs or 3.0 ac-ft.

The amount of water returned is _____ cfs or _____ ac-ft.

The water has been returned to the natural stream/source at a point(s): _____

*These items are to be completed by the Division of Water Rights.

Temporary Change

20. NATURE AND PERIOD OF USE

Irrigation: From ___/___/___ to ___/___/___
Stockwatering: From ___/___/___ to ___/___/___
Domestic: From ___/___/___ to ___/___/___
Municipal: From ___/___/___ to ___/___/___
Mining: From ___/___/___ to ___/___/___
Power: From ___/___/___ to ___/___/___
Other: From 9/10/99 to 3/10/2000

21. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District at the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Exploration drilling, road construction, dust suppression

22. PLACE OF USE

Legal description of place of use by 40 acre tract(s):
Black Bull Federal #43-30: SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 30, T38S, R25E, SLB&M

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary):
The applicant is purchasing the water from Mr. Richard C. Perkins. See attached letter.

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein at the time of filing, rests with the applicant(s).

Signature of Applicant(s)

DAVID A. NORBY

STATE ENGINEER'S ENDORSEMENT

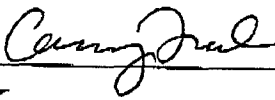
TEMPORARY CHANGE APPLICATION NUMBER: t23641

WATER RIGHT NUMBER: 09-169

1. August 25, 1999 Change Application received by MP.
2. August 25, 1999 Application designated for APPROVAL by MP.
3. Comments:

Conditions:

This application is hereby APPROVED, dated August 25, 1999, subject to prior rights and this application will expire on March 10, 2000.



For
Mark Page, Regional Engineer
for
Robert L. Morgan, State Engineer

RECEIVED

AUG 10 1999

WATER RIGHTS
PRICE

Water Right 09-169 (E23641)

Blending Utah
July 22 1999

Dear Sirs

I give Petrol Exploration
permission to use water
from water wells in San
Juan County Utah.

Points of Dimension would
be Cut. No. 09-169 & or.
Directed to. 09-886

Yours truly
Richard R. Lewis

Hereafter Place of Use
Scale: 1in = 2000ft



Montezuma

T385

RECEIVED

AUG 29 1999

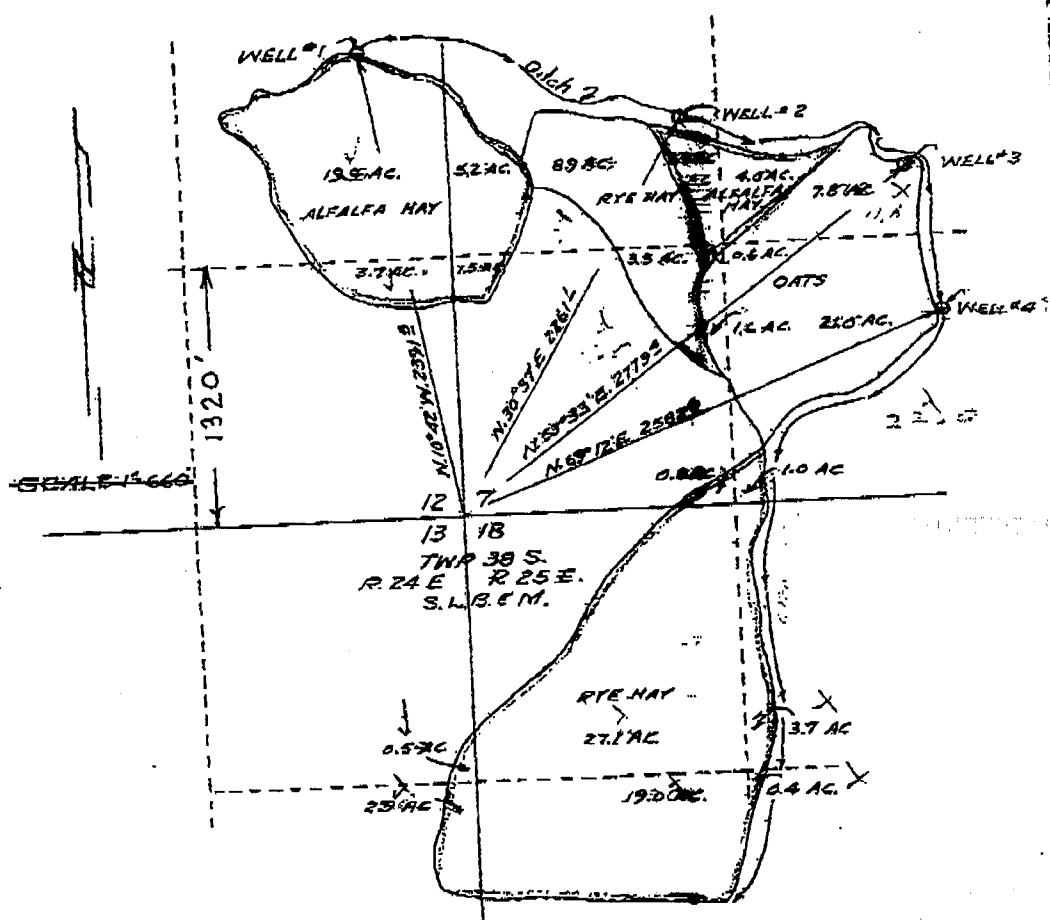
WATER RIGHTS
PRICE

Hereby Submit This Map In Support Of
Application _____ As A True
Representation Of My Knowledge And Belief.

(Print Name) DAVID A. NORSEY

Signature

Water Right 09-169 (t23641)



RGE 24E RGE 25E

SEC. 12 47	SEC. 7 42 43 44	T. 38 S
SEC. 13	SEC. 18	

KEY MAP

SCALE 1" = 6600'

Heretofore Place of Use

RECEIVED

AUG 20 1999

WATER RIGHTS
PRICE

I Hereby Submit This Map In Support Of
Application _____ As A True
Representation Of My Knowledge And Belief.

(Print Name)

DAVID A. NORBY

(Signature)

Water Right 09-169 (t23641)

SOURCE OF SUPPLY: WELL
APPLICANT: H.C. PERKIN
SHEEP CO.
APPLICATION No. 24863
COUNTY: SAN JUAN
DATE PREPARED: FEB. 19
SHEET 1 OF 1 SHEETS



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

September 1, 1999

Petral Exploration, LLC
P.O. Box 5083
Denver, Colorado 80217

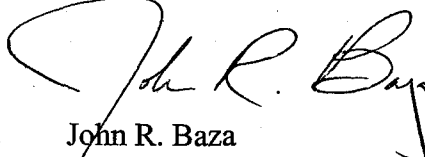
Re: Black Bull Federal 43-30 Well, 297' FSL, 2369' FEL, SW SE, Sec. 30, T. 38 S., R. 25 E.,
San Juan County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-31803.

Sincerely,



John R. Baza
Associate Director

lwp

Enclosures

cc: San Juan County Assessor
Bureau of Land Management, Moab District Office

Operator: Petral Exploration, LLC

Well Name & Number: Black Bull Federal 43-30

API Number: 43-037-31803

Lease: Federal **Surface Owner:** Federal

Location: SW SE **Sec.** 30 **T.** 38 S. **R.** 25 E.

Permitted Bottom Hole Location: 149' FSL , 2409' FEL

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well. Contact Carol Daniels at (801)538-5284.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval which must be obtained prior to drilling.

5. In accordance with Utah Admin. R649-3-11, Directional Drilling, submittal of a complete angular deviation and directional survey report is required.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Petral Exploration, LLC

3. ADDRESS AND TELEPHONE NO.

P.O. Box 5083, Denver, Colorado 80217 303-832-3131

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

297' FSL x 2369' FEL

At proposed prod. zone

149' FSL x 2409' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

approximately 18 miles southeast of Blanding, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

149'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

approx 1500'

16. NO. OF ACRES IN LEASE

total lease = 1920

desig to unit = 80

19. PROPOSED DEPTH

5760' (TVD); 5775' (MD)

17. NO. OF ACRES ASSIGNED
TO THIS WELL

57.5 acres in drill block

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4776' GL

22. APPROX. DATE WORK WILL START*

September 15, 1999

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	25" wall	80'	circ with ready mix
12 1/4"	9-5/8" J55	36#	1560'	circ to surface
8-3/4"	5-1/2" J55	15.5#	5775'	75 sxs 10-1 RFC; 250 sxs poz mix

Petral proposes to directionally drill from the above noted surface location to the as noted bottom hole location. The primary zone of interest is the Upper Ismay mound at approx 5412' TVD. Total depth will be approximately 5775' MD (5760' TVD). If the well is productive, 5 1/2" casing will be cemented in place and the well completed. If the well is non-productive, it will be plugged and abandoned and the surface restored per BLM specs.

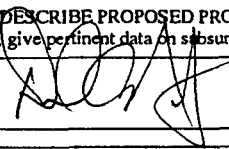
Attached, please find the Drilling Program Summary, Surface Use Program and a Directional Drilling Program.

I hereby certify that Petral Exploration, LLC is responsible under the terms and conditions of the lease operations in conjunction with this application. Bond coverage pursuant to 43 CFR 3104 for lease activities is provided by BLM Bond #UT1040. Copy attached.

Application has also been made to the Utah Board of Oil, Gas and Mining

CONDITIONS OF APPROVAL ATTACHED**FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
Dated 1/1/80**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.  David A. Norby
SIGNED Operations Manager

DATE

8/5/99

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

OCT 7 1999

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

/S/ WILLIAM C. STRINGER

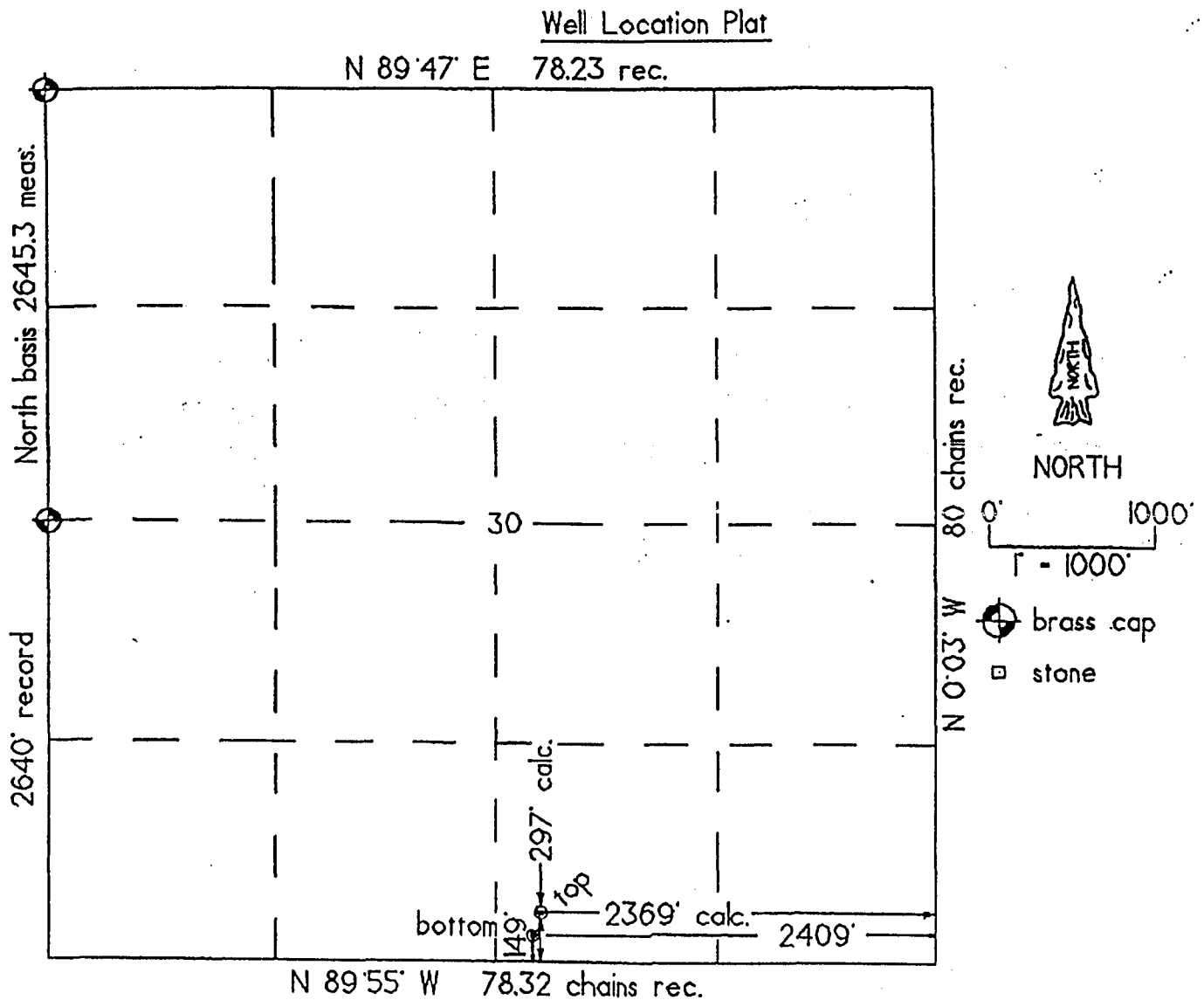
**Assistant Field Manager
Division of Resources**DIV. OF OIL, GAS & MINING
OCT - 4 1999

APPROVED BY

TITLE

DATE

*See Instructions On Reverse Side

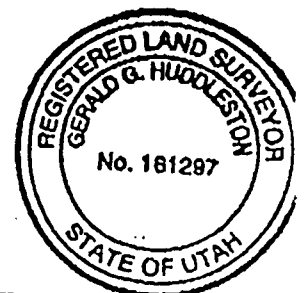


Well Location Description

PETRAL EXPLORATION
Blackbull # 43 - 30
297' FSL & 2369' FEL (top)
149' FSL & 2409' FEL (bottom)
Section 30, T.38 S., R.25 E., SLM
San Juan County, UT
4776' grd. el. (from GPS)

Description - NAD 27 - UT So.

292.531 N state plane
2.664,033 E state plane top
(from GPS)
292.382 N state plane
2.663.996 E state plane bottom



rev:4 Aug. 1998

Gerald G. Huddleston
Gerald G. Huddleston, LS

The above is true and correct to my knowledge and belief.

HUDDLESTON LAND SURVEYING - BOX KK - CORTEZ, CO - (970) 565 -3330

Petral Exploration, LLC
Black Bull Federal No. 43-30
Lease U-72656
SW/SE Section 30, T38S, R25E
San Juan County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Petral Exploration, LLC is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT1040 (Principal - Petral Exploration, LLC) via surety consent as provided for in 43 CFR § 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR § 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR § 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. The proposed BOPE is in a 3M configuration, and is adequate for the proposed depth and location. Installation, testing and operation of the system shall be in conformance with Onshore Oil and Gas Order No. 2.
2. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining is required before conducting any surface disturbing activities.
3. Any fluid bearing zones or lost circulation zones encountered while drilling will be isolated behind casing and cement.
4. A cement bond log (CBL) or other appropriate tool shall be run to determine the depth to the top of cement behind the production casing.
5. If a gas meter run is constructed, it will be located on lease within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR § 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

B. SURFACE

1. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the operator, or any person working on his behalf, on public or Federal land shall be immediately reported to the San Juan Resource Area Manager. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the San Juan Resource Area Manager. An evaluation of the discovery will be made by the San Juan Resource Area Manager to determine appropriate action to prevent the loss of significant cultural or scientific values. The operator will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the operator.
2. A raptor survey and clearance of the affected area surrounding the proposed drilling site would be accomplished prior to work initiation if the proposed well is drilled between February 1, and August 31. If the raptor survey locates an active raptor nesting territory which will be affected by this proposal, no work will be allowed until nestlings have fledged. This will apply to the golden eagle and all other raptors found to be nesting within 0.5 mile of the proposed site. Discussion will be entered into by the Monticello Field Office with the U.S. Fish & Wildlife Service to determine the feasibility of allowing drilling of said well closer (0.25 mile) of the proposed drill site if it can be proven that activity (noise and visual impacts) can take place without impacting the nesting birds and their offspring. The U.S. Fish & Wildlife Service will be fully consulted if golden eagle nesting becomes an issue and given updates on the nesting status of these birds.
3. The reserve pit shall be lined with 24 tons of bentonite and worked into all surfaces of the reserve pit with a bulldozer.
4. The reserve pit shall remain free of hydrocarbons at all times. Any hydrocarbons entering the reserve pit will be removed promptly.
5. The netting material used to protect wildlife resources from the reserve pit and/or emergency pit shall be installed and maintained in a manner to prevent access of birds or small mammals into the reserve pit or contact with the reserve pit fluids.
6. The reserve pit fence shall be kept in good repair and maintained in a tight condition.
7. All above the ground permanent (six months or longer) production equipment and facilities shall be painted Desert Brown.
8. The dike containment area to be constructed around the production tanks shall have a capacity of 1.5 times the volume of the largest vessel.

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the BLM Natural Resource Protection Specialist at least 48-hours prior to commencing construction of location.

Spud- The spud date will be reported to BLM 24-hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the Moab Field Office within 24-hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the Moab Field Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed, with the Moab Field Office, for approval of all changes of plans and subsequent operations in accordance with 43 CFR § 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Monticello Field Office is to be notified.

First Production- Should the well be successfully completed for production, the Moab Field Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Monticello Field Office. The Monticello Field Office shall be notified prior to the first sale.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the Moab Field Office not later than thirty-days after completion of the well or after completion of operations being performed, in accordance with 43 CFR § 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Moab Field Office within thirty-days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Price Field Office or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Jeff Brown (435-587-1525) of the BLM, Monticello Field Office for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spudding;

50 feet prior to reaching the surface casing (9 $\frac{5}{8}$ ") setting depth

If the person at the above number cannot be reached, notify the Moab Field Office at (435) 259-2100. If unsuccessful, contact the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab Field Office at (435) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer

Office: (435) 259-2117

Home: (435) 259-2214

RECEIVED

REPORT OF WATER ENCOUNTERED DURING DRILLING

DEC - 3 1999

1. Well name and number: Black Bull Federal # 43-30 DIVISION OF OIL, GAS & MININGAPI number: 43-037-318032. Well Location: QQ SWSE Section 30 Township 38S Range 25E County San Juan3. Well operator: Petral ExplorationAddress: PO Box 5083
Denver, CO 80217 Phone: 303-832-31314. Drilling contractor: Key Energy ServicesAddress: PO Box 900
Farmington, NM 87499 Phone: 505-327-9935

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
2500'	2550'	Est. max flow 2 BBL/hr w/ 9.0# mud in hole	unknown

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

6. Formation tops:

<u>Upper Ismay</u>	<u>5510'</u>
<u>Lower Ismay</u>	<u>5582'</u>
<u>Upper Desert Crk</u>	<u>5660'</u>
<u>Lower Desert Crk</u>	<u>5688'</u>

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: November 17, 1999Name & Signature: Don C. ProbstTitle: Petroleum Consultant

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: Dry Hole		5. Lease Designation and Serial Number: UTU-72656
2. Name of Operator: Petral Exploration, LLC		6. If Indian, Allocated or Tribe Name: N/A
3. Address and Telephone Number: P.O. Box 5083, Denver, CO. 80215 (303) 832-3131		7. Unit Agreement Name: Black Bull area
4. Location of Well Footage: 297' FSLx 2369' FEL CO. Sec., T., R., M.: SWSE Section 30- T38S-R25E		8. Well Name and Number: Black Bull Federal #43-30
		9. API Well Number: 43-03731803
		10. Field and Pool, or Wildcat: Black Bull Unit
		County: San Juan
		State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input checked="" type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Spud Date, Casing, Perforate, Acidize</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion <u>N/A</u>
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. Spud well: 10-9-99
2. Run 5½" Casing: 10-28-99
3. Perforate: 11-07-99 Desert Creek @ 5719-5723 (MD)
4. Acidize: 11-08-99 w/2000 gals 28% HCl
5. Suspend operations pending evaluation: 11-10-99

13. Name & Signature: David Norby David A. Norby Title: Operations Manager Date: _____

(This space for State use only)

RECEIVED
DEC 20 1999
DIVISION OF OIL, GAS & MINING

RECEIVED

FEB 23 2003

DIVISION OF
OIL, GAS AND MINING

PETRAL EXPLORATION, LLC

#43-30 BLACK BULL FEDERAL

**SW/SW/SE SEC. 30, T38S, R25E
SAN JAUN CO., UTAH**

GEOLOGICAL REPORT

ON

**#43-30 BLACK BULL FEDERAL
SW/SW/SE Sec. 30,T38S,R25E
SAN JAUN CO., UTAH**

FOR

PETRAL EXPLORATION, LLC

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October 1999

**Roger D. Charbonneau, B.Sc.
Wellsite Geologist
Decollemennt Consulting**

WELL DATA SUMMARY

WELL NAME	#43-30 Black Bull Federal
OPERATOR	Petral Exploration
SURFACE LOCATION	297' FSL; 2369 FEL Sec. 30, T38S, R25E
BOTTOM HOLE LOCATION	158.2' bearing 193.8deg.
API #	43 037 31803
WELL CLASSIFICATION	Development
DRILLING CONTRACTOR	Key Energy Services Rig # 43
WELL LICENCE NUMBER	
AFE NUMBER	#43-30 Black Bull Federal
ELEVATIONS - GROUND LEVEL	4775
- KELLY BUSHING	4790
SPUD DATE	10/08/1999
T.D. DATE	10/22/1999
RIG RELEASE DATE	10/30/1999
SURFACE CASING	9 5/8" @ 1572'
PRODUCTION CASING	5 1/2" @ 5780'
HOLE SIZE	8 3/4"
SAMPLE INTERVAL	4400-5780'
GAS DETECTION INTERVAL	4400-5780'

WELL DATA SUMMARY

(Continued)

OPEN HOLE LOGS

High Res. Induction, GR, SP, Cal.

BHCS, GR, Cal.

DRILL STEM TESTS

Nil

CORES

Nil

MUD TYPE

Xanthum Gum Polymer-Salt Base

WELL STATUS

Awaiting Completion

[illegible]

DEVIATION SURVEYS

<u>DEPTH</u>	<u>SURVEY</u>
(ft)	(degrees)
257	1/2
297	1/2
515	1/2
847	1/2
1166	3
1229	4
1270	3 1/2
1282	2 1/2
1343	2 1/2
1438	2
1532	2
1742	3
1805	2 3/4
1962	1 1/4
2148	1 1/4
2399	1 1/2
2646	1
2895	3/4
3145	1
3385	1
3647	1
3928	1 1/4
3989	1 1/4

10-22-1999

*** O-N-S-C-R-E-E-N ***
SURVEY CALCULATION REPORT

J RAL EXPLORATION LLC
Black Bull Federal #43-30

Section Calculated on 193.95

Calculation Method: Minimum Curvature

#	Depth (f)	Angle	Azimuth	TVD (f)	N/S (f)	E/W (f)	Section (f)	DogLeg (/100)
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	100.00	0.51	294.32	100.00	0.18	-0.41	-0.08	0.51
2	200.00	0.51	289.03	199.99	0.51	-1.23	-0.20	0.05
3	300.00	0.52	290.40	299.99	0.81	-2.08	-0.29	0.02
4	400.00	0.56	290.91	399.99	1.15	-2.96	-0.40	0.04
5	500.00	0.48	281.93	499.98	1.41	-3.83	-0.44	0.11
6	600.00	0.52	294.97	599.98	1.69	-4.65	-0.52	0.12
7	700.00	0.70	286.17	699.97	2.05	-5.65	-0.63	0.20
8	800.00	1.00	288.87	799.96	2.50	-7.06	-0.73	0.30
9	900.00	1.76	278.53	899.93	3.01	-9.40	-0.66	0.80
10	1000.00	2.40	281.76	999.87	3.67	-12.97	-0.43	0.65
11	1100.00	2.98	278.84	1099.76	4.49	-17.59	-0.12	0.60
12	1200.00	2.66	282.27	1199.63	5.38	-22.42	0.18	0.36
13	1300.00	2.71	284.39	1299.52	6.46	-26.98	0.23	0.11
14	1400.00	2.40	286.89	1399.42	7.66	-31.28	0.11	0.33
15	1500.00	2.49	286.01	1499.33	8.87	-35.37	-0.08	0.10
16	1600.00	2.17	289.44	1599.25	10.10	-39.24	-0.34	0.35
17	1700.00	2.02	287.86	1699.18	11.27	-42.70	-0.64	0.16
18	1800.00	2.07	285.06	1799.12	12.28	-46.12	-0.80	0.11
19	1900.00	1.83	288.14	1899.06	13.24	-49.39	-0.95	0.26
20	2000.00	1.46	290.71	1999.02	14.19	-52.10	-1.21	0.38
21	2100.00	1.33	298.40	2098.99	15.19	-54.31	-1.65	0.23
22	2200.00	1.12	302.51	2198.97	16.27	-56.15	-2.25	0.23
23	2300.00	1.00	301.11	2298.95	17.25	-57.72	-2.82	0.12
24	2400.00	0.64	299.13	2398.94	17.97	-58.96	-3.23	0.36
25	2500.00	0.36	316.62	2498.94	18.47	-59.66	-3.54	0.32
26	2600.00	0.37	321.25	2598.93	18.95	-60.08	-3.91	0.03
27	2700.00	0.25	331.92	2698.93	19.39	-60.39	-4.27	0.13
28	2800.00	0.30	318.48	2798.93	19.78	-60.66	-4.58	0.08
29	2900.00	0.35	334.76	2898.93	20.26	-60.97	-4.96	0.10
30	3000.00	0.25	343.48	2998.93	20.74	-61.16	-5.39	0.11
31	3100.00	0.24	347.13	3098.93	21.15	-61.27	-5.76	0.02
32	3200.00	0.45	352.34	3198.93	21.75	-61.37	-6.31	0.21
33	3300.00	0.59	352.64	3298.92	22.65	-61.48	-7.16	0.14
34	3400.00	0.63	345.19	3398.92	23.69	-61.69	-8.12	0.09
35	3500.00	0.73	340.91	3498.91	24.82	-62.04	-9.14	0.11
36	3600.00	0.82	335.97	3598.90	26.08	-62.54	-10.23	0.11
37	3700.00	0.90	344.27	3698.89	27.49	-63.04	-11.48	0.15
38	3800.00	0.80	358.30	3798.88	28.94	-63.28	-12.83	0.23
39	3900.00	0.74	28.58	3898.87	30.21	-62.99	-14.13	0.41

10-22-1999

*** O-N-S-C-R-E-E-N ***
SURVEY CALCULATION REPORT

J RAL EXPLORATION LLC
Black Bull Federal #43-30

Section Calculated on 193.95

Calculation Method: Minimum Curvature

#	Depth (f)	Angle	Azimuth	TVD (f)	N/S (f)	E/W (f)	Section (f)	DogLeg (/100)
40	4000.00	1.04	30.69	3998.86	31.55	-62.22	-15.63	0.30
41	4100.00	0.84	16.98	4098.84	33.04	-61.54	-17.23	0.30
42	4160.00	0.91	22.09	4158.84	33.90	-61.23	-18.14	0.17
43	4198.00	0.90	22.40	4196.83	34.45	-61.00	-18.73	0.05
44	4260.00	1.00	85.30	4258.83	34.95	-60.28	-19.39	1.60
45	4292.00	1.50	126.80	4290.82	34.72	-59.67	-19.31	3.13
46	4323.00	2.10	136.30	4321.80	34.07	-58.95	-18.85	2.16
47	4355.00	3.60	149.30	4353.76	32.78	-58.03	-17.82	5.08
48	4386.00	4.80	154.20	4384.68	30.77	-56.97	-16.13	4.04
49	4418.00	5.70	157.40	4416.55	28.10	-55.78	-13.83	2.96
50	4450.00	6.90	162.60	4448.35	24.80	-54.59	-10.91	4.15
51	4480.00	7.60	165.80	4478.11	21.16	-53.56	-7.62	2.69
52	4511.00	7.90	166.80	4508.83	17.10	-52.57	-3.92	1.06
53	4543.00	8.60	167.50	4540.50	12.62	-51.55	0.18	2.21
	4574.00	9.20	167.90	4571.12	7.93	-50.53	4.48	1.95
55	4604.00	9.70	169.30	4600.72	3.10	-49.56	8.94	1.83
56	4636.00	10.40	173.20	4632.23	-2.41	-48.72	14.09	3.05
57	4667.00	10.80	176.30	4662.70	-8.09	-48.20	19.47	2.25
58	4697.00	11.30	177.40	4692.14	-13.83	-47.89	24.97	1.81
59	4728.00	12.10	177.00	4722.50	-20.11	-47.58	30.99	2.59
60	4757.00	12.50	177.00	4750.83	-26.28	-47.25	36.90	1.38
61	4787.00	12.30	177.70	4780.13	-32.71	-46.96	43.07	0.83
62	4819.00	12.10	179.90	4811.41	-39.47	-46.81	49.59	1.58
63	4849.00	11.70	182.70	4840.76	-45.66	-46.95	55.63	2.34
64	4880.00	11.80	176.70	4871.12	-51.96	-46.92	61.74	3.95
65	4911.00	11.20	171.80	4901.49	-58.11	-46.31	67.55	3.70
66	4942.00	11.20	171.80	4931.90	-64.06	-45.45	73.13	0.00
67	4973.00	10.80	167.20	4962.33	-69.88	-44.37	78.51	3.11
68	5004.00	10.60	168.20	4992.80	-75.50	-43.15	83.68	0.88
69	5045.00	11.30	172.50	5033.05	-83.17	-41.85	90.81	2.62
70	5066.00	11.30	173.20	5053.64	-87.26	-41.34	94.65	0.65
71	5098.00	11.20	175.30	5085.03	-93.47	-40.71	100.53	1.32
72	5129.00	11.00	177.40	5115.45	-99.42	-40.33	106.21	1.46
73	5160.00	10.80	177.40	5145.89	-105.28	-40.07	111.83	0.65
74	5191.00	10.60	177.00	5176.35	-111.03	-39.79	117.34	0.69
	5222.00	9.90	178.10	5206.85	-116.54	-39.55	122.64	2.34
76	5253.00	10.30	174.20	5237.37	-121.96	-39.18	127.81	2.55
77	5284.00	9.40	177.00	5267.92	-127.24	-38.77	132.84	3.29
78	5316.00	8.50	176.70	5299.53	-132.22	-38.49	137.60	2.82
79	5346.00	7.30	175.60	5329.24	-136.33	-38.22	141.52	4.03

10-22-1999

*** O-N-S-C-R-E-E-N ***
SURVEY CALCULATION REPORT

I RAL EXPLORATION LLC
Black Bull Federal #43-30

Section Calculated on 193.95

Calculation Method: Minimum Curvature

#	Depth (f)	Angle	Azimuth	TVD (f)	N/S (f)	E/W (f)	Section (f)	DogLeg (/100)
80	5377.00	5.80	174.90	5360.04	-139.85	-37.93	144.87	4.85
81	5408.00	4.20	172.80	5390.92	-142.54	-37.65	147.41	5.19
82	5438.00	3.00	170.70	5420.86	-144.40	-37.38	149.16	4.02
83	5470.00	2.10	177.70	5452.83	-145.82	-37.23	150.49	2.97
84	5500.00	1.70	178.10	5482.81	-146.81	-37.19	151.45	1.33
85	5529.00	1.70	187.60	5511.80	-147.67	-37.23	152.29	0.97
86	5623.00	1.20	189.00	5605.77	-150.02	-37.57	154.65	0.53
87	5714.00	1.50	183.00	5696.74	-152.15	-37.78	156.77	0.36
88	5740.00	1.20	174.20	5722.74	-152.76	-37.77	157.36	1.40
Bit	5780.00	1.20	174.20	5762.73	-153.60	-37.69	158.15	0.00

Final Closure is 158.16 feet on an Azimuth of 193.79

BIT RECORD

WELL NAME:	Petral #43-30 Black Bull Federal
LOCATION:	Sec. 30, T38S, R25E San Jaun Co., Utah
SURFACE CASING:	1572' of 9 5/8"
SPUD DATE:	10/8/1999
T.D. DATE:	10/22/1999

BIT #	1	2	3	4		
SIZE (ft)	12 1/4	8 3/4	8 3/4	8 3/4		
MAKE	RTC	Sec.	Sec.	Sec.		
TYPE	FP-52	ERA-17	S86F	ERA33		
SERIAL #	283342	706700	735434	700622		
JETS	3x16	3x16	3x15	3x15		
OUT AT	1572	4219	4937	5780		
FOOTAGE	1572	2647	718	843		
HOURS	42	69.3	48	66.5		
ACC. HRS.	42	111.3	159.3	225.8		
WT.	40	35	35	35		
RPM	75	50	50	50		
PP	2500	2500	2500	2500		
MUD WT	10.8	9.1	9.2	9.2		
VIS	36	28	37	42		
VER. DEV.	2	1 1/4	11.2	3		
	T B G	T B G	T B G	T B G		
COND.	4-8-1/8	7-3-1/16	3-3-1/16	1-1-0		
REMARKS	37.4ft/hr	38.2ft/hr	15ft/hr	12.7ft/hr		

DAILY DRILLING SUMMARY

Date	Depth	Progress	Hours Drlg.	Mud Mass	Visc.	W.L.	pH	Activity
10/8/99	0.0	0.0	0.0					RU, Spud
10/9/99	515.0	515.0	12 3/4	8.3	38			Drill
10/10/99	1256	741.0	14 3/4	8.8	38	24.0	9.5	Drill
10/11/99	1572	831.0	14 1/2	8.7	33	30.0	9.0	Drill, Set surface
10/12/99	1572	0.0	0.0	8.7	33	30.0	9.0	Nipple up, Pres. test
10/13/99	1867	295.0	9 3/4	8.4	27		12.5	Drill
10/14/99	2656	788.0	21 3/4	8.5	28		10.0	Drill
10/15/99	3603	948.0	21 1/2	8.5	28		8.5	Drill
10/16/99	4219	616.0	16 1/2	9.1	28		8.5	Drill, Trip, Run Gyo sur
10/17/99	4525	306.0	14 3/4	9	28		8.5	Drill
10/18/99	4737	212.0	17 3/4	9.1	38		9.5	Drill
10/19/99	4937	200.0	15 1/2	9.2	37		8.5	Trip, Drill
10/20/99	5291	314.0	22 1/2	9.1	35		9.0	Drill
10/21/99	5505	254.0	23 1/2	9.2	43		8.0	Drill
10/22/99	5780	275.0	20 1/2	9.2	42		8.0	Drill, Cirr. & Cond/logs
10/23/99	5780							Logging

LOGGING REPORT

Depth (Driller's):	5780	Date:	10/24/99
Depth (Strap)	5776	Logging Company:	Haliburton
Depth (Logger's):	5770	Logging Engineer:	Kubilius
Surface Casing (Driller's)	1572	Truck No:	53546
Intermediate Casing (Driller's)	Nil	Hole Size:	8 3/4

Mud Details

Mud Type:	X-GumPoly	Weight:	10.2
pH:	9.0	Viscosity:	47
Water loss:	8.0	Salinity:	64,000

Operations Summary

Hole conditions prior to logging:	Good
Circulation time after T.D.	2 Hrs
Number of Wiper Trips:	1
Description of Wiper Trips:	10 Stds
Hours Logging:	8

Logging Sequence

Logs	Time Spent (hours)	Remarks
Hi-Res Ind, GR, Cal	4	1572-5780
BHCS, GR, Cal	4	1572-5780

Number of Runs in Hole: 1	Succeeded: 1	Failed: Nil
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Further Remarks

Hit Bridge, Clean out Trip, 2nd log att stuck, fish logs, raise mud wieght, logging

FORMATION EVALUATION

PETRAL #43-30 BLACK BULL FEDERAL SAN JAUN CO. UTAH

The 43-30 Black Bull Federal was directionally drilled from the above surface location to a bottom hole location 158.2 feet on an azimuth of 193.79 degrees. An "S" curve was drilled and at a depth of approximately 5500 feet the hole was again nearly vertical. Below approximately 5346 MD, a uniform correction of -17 feet is required to determine TVD. Decollement Consulting rigged up on Key Energy Services Rig #43 and began logging on October 16, 1999 at a depth 4400MD. The primary objective was the Upper Ismay Agal Mound with secondary interest in the Lower Desert Creek Porosity. Samples were collected from 4400-5780 feet and Mud Gas and QFT was conducted over the interval. E-logs were run to total depth with BHCS & Hi Res. Induction. No Cores or Tests were run.

UPPER ISMAY MOUND 5429MD 5412TVD -622SS

The mound was not developed at the location and planned cores and test were not taken. No significant drilling break, porosity or show was encountered in the essentially regional Upper Ismay Carbonate.

CONCLUSION: The Ismay is thin and low at this location.

LOWER DESERT CREEK 5720MD 5703TVD -1013SS

The Lower Desert Creek mound had a moderate development. A fair drilling break was noted from 5720-5732. The samples were brown; finely crystalline dolomite with good fluorescence, good streaming cut, excellent residual ring cut. A 96 unit total gas show was recorded by the Hot Wire, and heavier hydrocarbons up to iso-butane were detected by the chromatograph. Mud weight at the time of penetration was 9.3 pounds per gallon. Gas bubbles were noted in the mud tanks and oil was observed on the reserve pit. QFT values ranging from 387 to 721 units. A DST over the zone was planned but poor hole conditions did not allow one to be run.

CONCLUSION: Production Casing was run to total depth, awaiting completion.

LITHOLOGIC DESCRIPTIONS

PETRAL EXPLORATION, LLC
BLACKBULL #43-30
SW/SW/SE SEC. 30, T38S, R25E
SAN JAUN CO., UTAH

HONIKER TRAIL

- 4400 - 4414 ft SANDSTONE white, quartzose, fine to coarse grained, subangular, poorly sorted, predominantly unconsolidated, **no show**.
- 4414 - 4420 ft SHALE variable colored, blocky, silty, slightly calcareous, micaceous, blocky, waxy.
- 4420 - 4428 ft LIMESTONE light grey, chalky, lithographic, argillaceous, hard, tight, **no show**.
- 4428 - 4432 ft SHALE variable colored, blocky, silty, slightly calcareous, micaceous, blocky, waxy.
- 4432 - 4442 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poorly sorted, predominantly unconsolidated, trace conglomerate
- 4442 - 4446 ft SHALE variable colored, blocky, silty, slightly calcareous, micaceous, blocky, waxy.
- 4446 - 4450 ft LIMESTONE light grey, tan, microcrystalline, hard, tight, **no show**.
- 4450 - 4456 ft SHALE variable colored, blocky, silty, slightly calcareous, micaceous, blocky, waxy.
- 4456 - 4490 ft LIMESTONE light grey, tan, microcrystalline, hard, tight, **no show**.
- 4490 - 4500 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4500 - 4530 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poorly sorted, predominantly unconsolidated, trace conglomerate.
- 4530 - 4540 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4540 - 4556 ft LIMESTONE light grey, tan, microcrystalline, hard, tight, **no show**.

- 4556 - 4568 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4568 - 4590 ft LIMESTONE light grey, tan, microcrystalline, hard, tight, **no show**.
- 4590 - 4594 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4594 - 4598 ft LIMESTONE light grey, tan, microcrystalline, hard, tight, **no show**.
- 4598 - 4604 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4604 - 4620 ft LIMESTONE light grey, tan, microcrystalline, hard, tight, **no show**.
- 4620 - 4626 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4626 - 4634 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poorly sorted, predominantly unconsolidated, trace conglomerate.
- 4634 - 4640 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4640 - 4647 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poor sorted, predominantly unconsolidated, trace conglomerate.
- 4647 - 4653 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4653 - 4656 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poorly sorted, predominantly unconsolidated, trace conglomerate.
- 4656 - 4660 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4660 - 4670 LIMESTONE light grey, tan, microcrystalline, hard, tight, **no show**.
- 4670 - 4682 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poorly sorted, predominantly unconsolidated, trace conglomerate.
- 4682 - 4706 ft LIMESTONE light grey, tan, microcrystalline, hard, tight, **no show**.
- 4706 - 4717 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poorly sorted, predominantly unconsolidated, trace conglomerate.
- 4717 - 4727 ft LIMESTONE light grey, tan, microcrystalline, hard, tight, **no show**.

- 4727 - 4740 ft SHALE light brown, red brown, silty, sandy, soft to firm, waxey, earthy, variable colored, dolomitic, limey.
- 4760 - 4780 ft LIMESTONE white, light grey, chalky, very fine to microcrystalline, argillaceous, marly, dolomitic.
- 4780 - 4788 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4788 - 4800 ft LIMESTONE white, light grey, chalky, very fine to microcrystalline, argillaceous, marly, dolomitic.
- 4800 - 4825 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4825 - 4840 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poorly sorted, predominantly unconsolidated, trace conglomerate.
- 4840 - 4845 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4845 - 4860 ft LIMESTONE white, light grey, chalky, very fine to microcrystalline, argillaceous, marly, dolomitic.
- 4860 - 4870 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poorly sorted, predominantly unconsolidated, trace conglomerate.
- 4870 - 4880 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4880 - 4900 ft LIMESTONE white, light grey, chalky, very fine to microcrystalline, argillaceous, marly, dolomitic.
- 4900 - 4940 ft LIMESTONE light to medium grey brown, microcrystalline, earthy, lithographic, argillaceous, hard, dense, dolomitic, tight, **no show**.
- 4940 - 4964 ft SHALE variable colored, mottled, soft, earthy, dolomitic, limey.
- 4964 - 4970 ft SANDSTONE white, quartzose, fine to coarse grained, sub angular, poorly sorted, predominantly unconsolidated, trace conglomerate.
- 4970 - 5000 ft LIMESTONE light to medium grey brown, microcrystalline, earthy, lithographic, argillaceous, hard, dense, dolomitic, tight, **no show**.
- 5000 - 5013 ft LIMESTONE medium grey, dolomitic, earthy, lithographic, blocky, hard, tight, dense, white, chalky, fossil fragments, limey.

5013 - 5043 ft	<u>SHALE</u> medium to dark grey, blocky, earthy, dolomitic, limey, blocky, fossil fragments, firm to hard.
5043 - 5064 ft	<u>LIMESTONE</u> medium grey, dolomitic, earthy, lithographic, blocky, hard, tight, dense, white, chalky, fossil fragments, limey.
5064 - 5100 ft	<u>SHALE</u> medium to dark grey, blocky, earthy, dolomitic, limey, blocky, fossil fragments, firm to hard.
5100 - 5132 ft	<u>LIMESTONE</u> medium grey, dolomitic, earthy, lithographic, blocky, hard, tight, dense, white, chalky, fossil fragments, limey.
5132 - 5162 ft	<u>SHALE</u> medium to dark grey, blocky, earthy, dolomitic, limey, blocky, fossil fragments, firm to hard.
5162 - 5178 ft	<u>SHALE</u> variable colored, light grey to gray, red brown, mottled, silty, limy, dolomitic, mottled.
5178 - 5192 ft	<u>SHALE</u> medium to dark grey, dolomitic, waxy, earthy.
5192 - 5212 ft	<u>SHALE</u> variable colored, light grey to grey, red brown, mottled, silty, limey, dolomitic, mottled.
5212 - 5223 ft	<u>LIMESTONE</u> medium grey, dolomitic, earthy, lithographic, blocky, hard, tight, dense, white, chalky, fossil fragments, limey.
5223 - 5250 ft	<u>SHALE</u> medium to dark grey, dolomitic, waxy, earthy.
5250 - 5278	<u>LIMESTONE</u> medium grey, dolomitic, earthy, lithographic, blocky, hard, tight, dense, white, chalky, fossil fragments, limey.
5278 - 5315 ft	<u>SHALE</u> variable colored, light grey to grey, red brown, mottled, silty, limey, dolomitic, mottled.
5315 - 5338 ft	<u>SHALE</u> medium to dark grey, dolomitic, waxy, earthy.
5338 - 5352 ft	<u>LIMESTONE</u> white, chalky, light grey, lithographic, earthy, shell fragments, crinoids.
5352 - 5360 ft	<u>SHALE</u> medium to dark grey, dolomitic, waxy, earthy.
5360 - 5368 ft	<u>LIMESTONE</u> white, chalky, light grey, lithographic, earthy, shell fragments, crinoids.

5368 - 5372 ft SHALE medium to dark grey, dolomitic, waxy, earthy.

5372 - 5385 ft LIMESTONE white, chalky, light grey, lithographic, earthy, shell fragments, crinoids.

SHALE MARKER 5385

5385 - 5390 ft SHALE medium to dark grey, dolomitic, limey, earthy, blocky.

5390 - 5400 ft LIMESTONE white, chalky, light grey, lithographic, earthy, shell fragments, crinoids.

5400 - 5438 ft LIMESTONE brown, light brown, tan, white, chalky, lithographic, microcrystalline, dense, sandy inpart, shell fragments, mottled.

5438 - 5454 ft SHALE medium to dark grey, dolomitic, limey, blocky, earthy.

UPPER ISMAY 5454

5454 - 5458 ft LIMESTONE brown, light brown, tan, white, chalky, lithographic, microcrystalline, dense, sandy inpart, shell fragments, mottled.

5458 - 5464 SHALE medium to dark grey, dolomitic, limey, earthy, blocky.

5464 - 5468 ft ANHYDRITE white, soft, chalky, soft.

5468 - 5474 ft SHALE medium to dark grey, dolomitic, limey, earthy, blocky.

5474 - 5478 ft ANHYDRITE white, chalky, soft.

5478 - 5490 ft LIMESTONE brown, light brown, tan, white, chalky, lithographic, microcrystalline, dense, sandy inpart, shell fragments, mottled.

5490 - 5494 ft ANHYDRITE white, chalky, soft.

5494 - 5510 ft LIMESTONE brown, light brown, tan, white, chalky, lithographic, microcrystalline, dense, sandy inpart, shell fragments, mottled.

UPPER ISMAY ANHYDRITE 5510

5510 - 5550 ft **ANHYDRITE** white, chalky, soft.

UPPER ISMAY CARBONATE 5550

5550 - 5568 ft **DOLOMITE** light grey brown, very fine to microcrystalline, microsucrosic texture, 4 to 6% intercrystalline porosity, **trace 8 to 10% pin point porosity, milky cut, thin weak ring cut.**

HOVENWEEP 5568

5568 - 5583 **SHALE** medium to dark grey, black, dolomitic, greasy texture, blocky, soft to firm.

LOWER ISMAY 5582

5583 - 5586 ft **LIMESTONE** brown, light brown, tan, white, chalky, lithographic, microcrystalline, dense, sandy inpart, shell fragments, mottled.

5586 - 5589 ft **SHALE** medium to dark grey, black, dolomitic, greasy texture, blocky, soft to firm.

5589 - 5598 ft **LIMESTONE** brown, light brown, tan, white, chalky, lithographic, microcrystalline, dense, dolomitic inpart, shell fragment, mottled.

LOWER ISMAY ANHYDRITE 5598

5598 - 5620 ft **ANHYDRITE** white, chalky, soft.

LOWER ISMAY CARBONITE 5620

5620 - 5632 ft **DOLOMITE** light grey brown, very fine to microcrystalline, granular to sucrosic texture, **4 to 6% intercrystalline porosity, trace 8 to 12% pin point porosity, milky cut, thin weak ring cut.**

GOTHIC 5634

5632 - 5662 ft **SHALE** medium to dark grey, black, dolomitic, greasy texture, blocky, soft to firm.

DESERT CREEK 5662

5662 - 5674 ft **DOLOMITE** light grey brown, very fine to microcrystalline, microsucrosic, sandy, 4 to 6% intercrystalline porosity, trace 8 to 10% pin point porosity, milky cut, thin weak ring cut.

UPPER DESERT CREEK ANHYDRITE 5674

5674 - 5688 ft **ANHYDRITE** white, chalky, soft.

LOWER DESERT CREEK 5688

5688 - 5710 ft **DOLOMITE** light grey brown, very fine to microcrystalline, microsucrosic, sandy, 4 to 6% intercrystalline porosity, weak show.

LOWER DESERT CREEK ANHYDRITE 5710

5710 - 5717 ft **ANHYDRITE** white, soft, chalky.

LOWER DESERT CREEK CARBONATE 5717

5717 - 5736 ft **DOLOMITE** brown, grey brown, sucrosic texture, granular, very fine to microcrystalline, 6 to 12% intercrystalline porosity, brown oil staining, blue white streaming cut fluorescence, blue white residual ring cut.

CHIMNERY ROCK 5736

5736 - 5758 ft SHALE medium to dark grey, black, dolomitic, greasy texture, blocky, soft to firm.

AKAH 5758

5758 - 5780 ft LIMESTONE light grey brown, dolomitic, argillaceous, microcrystalline, lithographic, tight, **no show**.

QFT VALUES

M. DEPTH	QFT	M. DEPTH	QFT
4400-4430	49.5	5460	55.7
4430-4460	31.9	5469-5470	34.9
4460-4490	44.8	5470-5480	80.5
4490-4520	29.7	5480-5490	13.5
4520-4550	36.9	5490-5500	68.5
4550-4580	18.4	5500-5510	19.7
4580-4610	19.4	5510-5520	46.3
4610-4640	60.4	5520-5530	11.3
4640-4670	10.5	5530-5540	5.7
4670-4700	6.5	5540-5550	29.7
4700-4730	22.4	5550-5560	44.3
4730-4760	8.7	5560-5570	39.2
4760-4790	13.0	5570-5580	170.0
4790-4820	9.4	5580-5590	147.0
4820-4850	18.1	5590-5600	126.0
4850-4880	31.6	5600-5610	65.3
4880-4910	14.1	5610-5620	107.0
4910-4940	9.6	5620-5630	101.0
4940-4970	16.9	5630-5640	130.0
4970-5000	44.1	5640-5650	242.0
5030-5060	19.7	5650-5660	219.0
5060-5090	15.5	5660-5670	301.0
5090-5120	12.4	5670-5680	690.0
5120-5150	23.1	5680-5690	137.0
5150-5180	11.3	5690-5700	249.0
5180-5210	8.4	5700-5710	528.0
5210-5240	10.2	5710-5720	721.0
5240-5270	11.3	5720-5730	387.0
5270-5300	7.5	5730-5740	526.0
5300-5330	8.1	5740-5750	380.0
5330-5360	7.2	5750-5760	313.0
5360-5370	7.8	5760-5770	199.0
5370-5380	9.3	5770-5780	176.0
5380-5390	10.1	MDTD 5780	
5390-5400	6.7		
5400-5410	9.1		
5410-5420	4.8		
5420-5430	3.9		
5430-5440	7.9		
5440-5450	10.6		
5459 circ spl	67.3		

February 21, 2000

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John Baza
Division of Oil, Gas, & Mining
1594 West North Temple Suite 1210
Salt Lake City, UT 84180-1203

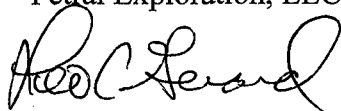
Mr Baza,

Enclosed are two copies of the Electric Logs and Mud Logs of the Petral Exploration #43-30 Black Bull Federal (SWSE 30-T38S-R25E).

*Logs filed in Log file - Geological Booklet filed in Well file
Reports*

Sincerely,

Leo Gerard
Petral Exploration, LLC



DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR PETRA EXPLORATION, LLC
ADDRESS P.O. Box 5083
DENVER, CO 80217

OPERATOR ACCT. NO. 11

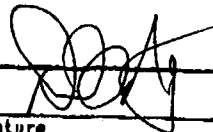
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11352	43-037-31803	Black Bull Federal #43-30	SWSE	30	385	25E	SAN JUAN	10/6/99	
WELL 1 COMMENTS: <i>Entity Added 000313 - Jim</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- D - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)


Signature
OPERATIONS MANAGER 3/10/00
Date
Phone No. 303, 932-3131

P. U4

FAX NO. 801 359 3940

MAR-08-2000 WED 10:49 AM OIL, GAS & MINING

Mar-10-00 02:36P David A Norby

3032377197

P.02

PETRAL EXPLORATION
P.O. Box 5083 • Denver, CO 80217
1700 Lincoln Street, Suite 4750 • Denver, CO 80203
(303) 832-3125 • Fax (303) 894-9088

RECEIVED

JUL 20 2000

DIVISION OF
OIL, GAS AND MINING

July 19, 2000

Mr. Eric Jones
Bureau of Land Management
Moab District Office
82 E. Dogwood
Moab, Utah 84532

Re: Sundry Notice on Black Bull #43-30
Temporarily Abandonment
San Juan County, Utah

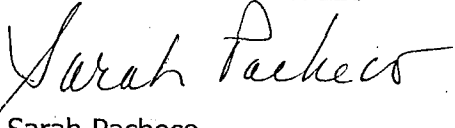
Gentlemen:

Enclosed please find in triplicate Sundry Notices and Reports on Wells on the above referenced well for your consideration and approval. Should you need additional information, please advise.

Thank you for your attention on this matter.

Very truly yours,

PETRAL EXPLORATION LLC



Sarah Pacheco
Land Department

/sp
Encl.

CC: Carol Daniels
State of Utah
Division of Oil, Gas & Minerals
P. O. Box 145801
Salt Lake City, UT 84114-5801

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. UTU-72656
2. Name of Operator PETRAL EXPLORATION LLC	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No. P O BOX 5083, DENVER CO 80217 303-832-3131	7. If Unit or CA, Agreement Designation BLACK BULL AREA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 297' FSL x 2369' FEL Section 30-T38S-R25E SLM	8. Well Name and No. BLACK BULL FEDERAL #43-30
	9. API Well No. 43-039-31803
	10. Field and Pool, or Exploratory Area BLACK BULL
	11. County or Parish, State SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other <u>TEMP ABANDONMENT</u>	<input type="checkbox"/> Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Petral proposes to temporarily abandon borehole, but not P&A per further review of 3-D seismic for potential of directional drilling from present borehole to new bottomhole location.

Petral will further file new drilling plans upon conclusion of review or P&A location by 11-1-2000 per BLM specifications.

14. I hereby certify that the foregoing is true and correct		
Signed <u>Dennis W. Yockim</u>	Title <u>Land Manager</u>	Date <u>7/18/00</u>
(This space for Federal or State office use)		
Approved by _____	Title _____	Date _____
Conditions of approval, if any:		

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

*See Instruction on Reverse Side

COPY SENT TO OPERATOR
Date: 7-20-00
Initials: CHS

Federal Approval of this
Action is Necessary

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-72656

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Black Bull Unit

8. WELL NAME and NUMBER:

Black Bull #43-30

9. API NUMBER:

43-03731803

10. FIELD AND POOL, OR WILDCAT:

Ismay/Desert Creek

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

PETRAL EXPLORATION LLC

3. ADDRESS OF OPERATOR:

P. O. Box 5083 CITY Denver

STATE CO ZIP 80217

PHONE NUMBER:

303-832-3131

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 297' FSL & 2369' FEL

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

SW/4SE/4 30 T38S R25E SLM

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Plugging to commence immediately upon receipt of State approval.

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR
Date: 5-11-01
Initials: CHD

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 5-11-01
By: R. Almy

RECEIVED

MAY 11 2001

DIVISION OF
OIL, GAS AND MINING

NAME (PLEASE PRINT)

Dennis W. Yockim

TITLE Landman

SIGNATURE

Dennis W. Yockim

DATE 5/8/01

(This space for State use only)

PETRAL EXPLORATION, LLC

ABANDONMENT PROCEDURE**

Black Bull #43-30
SWSE Section 30-T38S-R25W
San Juan County, Utah

GL 4775'
KB 4790'
PBD 5755'

1. MIRU pulling unit.
2. Release packer and TOH with tubing and packer. Lay down packer and T-2 type on/off tool.
3. RU and wireline in hole with CIBP. Set plug at 5490'. Dump bail 2 sxs cement on top of BP.
4. RU and perforate 2 squeeze holes @ 1625'. Set cement retainer. RU cementers and squeeze across bottom of surface casing with a minimum of 100' of cement.
5. Spot 50 sx cement plug at surface.
6. Cut off casing 4' below ground level. Weld on cap.
7. Transport wellhead to Woods Pressure Control Group in Farmington, NM.
8. Restore location and access road according to APD specifications.

** Per Instructions of Moab BLM, Eric Jones 11-15-99.

PETRAL EXPLORATION

P.O. Box 5083 • Denver, CO 80217
1700 Lincoln Street, Suite 4750 • Denver, CO 80203
(303) 892-3131 • Fax (303) 894-9088

December 12, 2001

Utah Division of Oil, Gas and Mining
1594 West North Temple, #1210
Box 145801
Salt Lake City, UT 84114-5801

Re: Sundry Notices and Reports on Wells

Gentlemen:

Enclosed in duplicate please find four (4) Sundry Notices and Reports on Wells on the following wells listed below for filing and subject to your approval.

Dalmore #44-23
Aultmore 1-24X Federal
Black Bull Federal #43-30
Knockdhu Unit #8

Thank you,

Sincerely,

PETRAL EXPLORATION LLC

Dennis W. Yockim
by *SP*
Dennis W. Yockim
Landman

/sp
Encl.

RECEIVED

DEC 17 2001

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-72656
2. NAME OF OPERATOR: PETRAL EXPLORATION LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Black Bull Area
3. ADDRESS OF OPERATOR: P. O. Box 5083 CITY Denver STATE CO ZIP 80217		7. UNIT or CA AGREEMENT NAME: Black Bull Federal 43-30
PHONE NUMBER: 303-832-3131		8. WELL NAME and NUMBER: 43-037-31803
4. LOCATION OF WELL FOOTAGES AT SURFACE: 297' FSL & 2369' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 30 38S 25E SLM		9. API NUMBER: 43-037-31803
		10. FIELD AND POOL, OR WILDCAT: Black Bull Unit
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 12/20/01	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Petral intends to reclaim surface and pits. Will reseed to Bureau of Land Management's specifications. Dirt work and reseed to be done by Crawley Construction Co. of Monticello, Utah, telephone 435-587-2377. Field Supervision by Petral - Randy Shelton Telephone 435-459-1027.

All reclamation will be in accordance with specifications outlined in APD Drilling Program provision 10 (dated August, 1999)

RECEIVED

DEC 17 2001

DIVISION OF
OIL, GAS AND MINING

COPY SENT TO OPERATOR

Date: 12-21-01
Initials: CTO

NAME (PLEASE PRINT) Dennis W. Yockim

TITLE Landman

SIGNATURE *Dennis W. Yockim*

DATE 12-12-01

Accepted by the
Utah Division of

Oil, Gas and Mining

Date: 12/20/01

By: *[Signature]*

Federal Approval Of This
Action Is Necessary

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-72656

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

Black Bull Area

8. WELL NAME and NUMBER:

Black Bull Federal 43-30

9. API NUMBER:

43-037-31803

10 FIELD AND POOL, OR WILDCAT

Black Bull Unit

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

SWSE 30 38S 25E SLM

12. COUNTY

San Juan

13. STATE

UTAH

1a. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☐

DRY ☒

OTHER

b. TYPE OF WORK:

NEW WELL ☒

HORIZ. LATS. ☐

DEEP-EN ☐

RE-ENTRY ☐

DIFF. RESVR. ☐

OTHER

2. NAME OF OPERATOR:

Petral Exploration LLC

3. ADDRESS OF OPERATOR:

P. O. Box 5083 CITY Denver STATE CO ZIP 80217

PHONE NUMBER:

303-832-3131

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 297' FSL & 2369' FEL

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH: 330' FSL & 2430' FEL

14. DATE SPUDDED:

10/9/99

15. DATE T.D. REACHED:

10/28/99

16. DATE COMPLETED:

10-27-01 PIA

ABANDONED ☒

READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL):

KB 4790

18. TOTAL DEPTH: MD

5780

TVD

5780

19. PLUG BACK T.D.: MD

TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD

PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

Borehole Compensated Sonic } Compensated Neutron
High Resolution Induction Log } GR
Acoustic Cement Bond Log } 2400 ML-7-25-00

23.

WAS WELL CORED?

NO ☒

YES ☐

(Submit analysis)

WAS DST RUN?

NO ☒

YES ☐

(Submit report)

DIRECTIONAL SURVEY?

NO ☐

YES ☒

(Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	16"	.25" Wall	surface	80'				surface	-0-
12 1/4"	J-55 9 5/8	36#	surface	2080'				surface	-0-
8 3/4"	J-55 5 1/2	15.5	surface	5780'		10-1 RHC 75 50/50 B 334 DOZ		3735	-0-

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A)					5719 5723 (MD)		45 PF	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5719-5723 (MD)	2000 Gal 28% HCL w/inhibitors
Desert Creek	

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

☐ GEOLOGIC REPORT
☐ CORE ANALYSIS

☐ DST REPORT
☐ OTHER: JAN 07 2002

☐ DIRECTIONAL SURVEY

30. WELL STATUS:

P&A

10-27-01

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Lasal	5093 (TVD)
				Ismay	5439 (TVD)
				Hovenweep	5550 (TVD)
				Gothic	5616 (TVD)
				Desert Creek	5645 (TVD)

35. ADDITIONAL REMARKS (Include plugging procedure)

Blow down hole; Release packer & POOH 30 stds, lay down 2-7/8 tbg & pkr; Rig up Weatherford GIH w/BP & set @ 5490'; Dump bail, 2 sks cement-GIH w/perf gun, shoot 4 way, squeeze shot (4 shot) @1625 ti 16271 GIH w/cement ret set @1615' cement plug, 42 sks up backside of 5½", 100' plug with 100% excess, 18 sks inside 5½", 100' plug with 20% excess, slurry weight 15.6 yield 1.18, 13 bbl

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. cut off wellhead, set 50' top plug w/10 sks, weld on dryhole marker.

NAME (PLEASE PRINT) Dennis W. YockimTITLE LandmanSIGNATURE Dennis W. YockimDATE 12/31/01

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR:
Petral Exploration LLC

3. ADDRESS OF OPERATOR: P. O. Box 5083 CITY Denver STATE CO ZIP 80217 PHONE NUMBER: 303-832-3131

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 297' FSL & 2369' FEL

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 30 38S 25E 11M

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-72656

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Black Bull Area

8. WELL NAME and NUMBER:

Black Bull Federal 43-30

9. API NUMBER:

43-037-31803

10. FIELD AND POOL, OR WILDCAT:

Black Bull Unit

COUNTY: San Juan

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

7/24/01 - MIRU - Set equipment & blow well down, 1500 psi on tbg.

7/25/01 - Find deadmen; blow well down; 500 psi; release packer and POOH 30 stnds; lay down 2-7/8ths tbg and packer. Rig up Weatherford, GIH with BP and set @5490' dump bail, 2 sks cement lost bailer, hit the lubricator, GIH with perf gun, shoot four way squeeze shot, four shots @ 1625' to 1627'. GIH with cement retainer set @ 1615'.

7/26/01 - GIH with tbg and sting into retainer, circulate gel wtr in hole. Rig up cementers, cement plug, 42 sks up backside of 5-1/2" csg 100' plug with 100% excess; 18 sks inside 5-1/2", 100' plug with 20% excess, slurry weight 15.6 yield, 1.18, 13 bbls, rig down, move off location.

10/27/01- Cut off wellhead, set 50' top plug, 10 sks, weld on dryhole marker.

NAME (PLEASE PRINT) Dennis W. Yockim

TITLE Landman

SIGNATURE

DATE 12/31/01